

# Technician

Volume LIV, Number 14

Friday, September 28, 1973

## State complies with HEW

By Neil Perry

Staff Writer

According to the administration, North Carolina State University is an equal opportunity employer.

That is, employment by the University is on the basis of merit, and there is no discrimination on the basis of race, color, creed, religion, sex, or national origin.

It is also the official policy of the University to take positive action to further the employment opportunity for women and minorities.

COMPLYING WITH the U.S. Department of Health, Education, and Welfare, State has devised a plan to insure equal opportunity for employment.

Called Affirmative Action, the plan outlines the goals, procedures, and timetables which are being utilized to insure that equal opportunity exists.

William H. Simpson, assistant to the Chancellor and Provost, has been appointed Equal Employment Opportunity officer.

According to Simpson, the Affirmative Action plan is required of all colleges and universities that utilize federal funding. Non-compliance with the request of HEW could result in withdrawal of federal funds.

"IN NOVEMBER of 1972, we began working on the Affirmative Action plan," Simpson explained. "We devised a plan using the 13 units of the University and sent the plan in

last July. We are waiting now to see if our plan is adequate."

Last spring, several students expressed dissatisfaction with the idea that the University would lose funding if more black students did not enroll or if more blacks were not employed.

However, Simpson explained that the Affirmative Action plan was to insure that the University would "make all efforts" to employ more blacks and women but that a specific quota did not have to be filled.

"There is a difference in goals and quotas," Simpson explained. "We have set goals as to how many blacks and women we hope to employ, but HEW does not require that we fill a quota."

THE HEW RULING states that "a nondiscriminatory selection process does not mean that an institution should indulge in reverse discrimination or preferential treatment which leads to the selection of unqualified persons over qualified persons."

State went about devising their affirmative action a little differently. "We worked on a decentralized basis," Simpson said. "We divided the University into 13 units; the existing eight schools, the Division of Student (see 'University', page 4)

## Age, erosion force city to restrict bridge traffic

By Jeff Watkins

Associate Editor

Due to the deteriorating condition of the Pullen Road bridge, a three-ton weight limit and 15 miles per hour speed limit have been placed on it in order to retard the bridge's decay.

"We had a structural investigation done of the bridge by Bigger and Agnew Engineers, who specialize in bridge engineering," said Graham Beachum of the Public Works department. "The results of their investigation showed that certain areas under the bridge abutment have eroded away."

### Pub Authority passes 1973-74 budget requests

Tentative budgets for the 1973-74 school year were approved by the Publications Authority for the *Agromeck*, WKNC-FM, and the *Technician* in a called meeting Wednesday afternoon.

The *Agromeck's* proposed budget for this year is \$36,571. Of that amount, \$26,000 is needed to print the yearbook.

THE YEARBOOK'S income from student fees is \$29,496; \$5,000 comes from the photography studio; \$2,000 comes from the Athletics Council; and the remaining \$75 comes from miscellaneous sources.

The *Agromeck* exceeded its 1972-73 budget by \$3,567.71, which does not include the over \$4,000 necessary for printing extra yearbooks ordered by students who did not receive their copies last semester.

Income for WKNC-FM comes from student fees entirely. During the 1972-73 school year the station's budget was \$12,833, which WKNC-FM exceeded by \$1,360.67 for purchasing new equipment. This year the station will have \$14,153 for operating expenses.

The *Technician* was budgeted for \$70,440 during the 1972-73 year, but actually took in \$93,119.01. However, extra costs in printing and other unforeseen expenses brought down the profits. The paper eventually cleared \$3,146.43, which was turned over to the Publications Authority.

Budgeted for this year's operation is \$85,440, with the largest portion coming from local advertising (\$50,000) and student fees (\$23,940).

"WE'VE BEEN PUTTING concrete filler under the abutment," Beachum added. "Half of the earth beneath it is gone."

The findings by Bigger and Agnew also revealed that the deck material has been weakened from age, decay, and the use of salt for de-icing the bridge in winter.

"These two things together have led us to recommend to the City Council that a replacement be built," he continued. The proposal is scheduled for Monday's City Council meeting.

"THE ENGINEERING FIRM suggested that a maximum weight limit of 3.2 tons be set on the bridge, but I decided to reduce that to three so no one would mistake the limit as 32 tons," Beachum said.

"The engineering people said that 15 m.p.h. would be an advisable speed for a 3.2 ton limit. It improves the safety factor," he added.

"If the proposal passes, then the replacement bridge would be the same width as the road with sidewalks and

railing," Beachum said. Elevation of one side will be lowered to improve the drivers' vision from either side.

BEACHUM ESTIMATED that, if approved, three months would be needed for specifications to be drawn up. Contract bids would probably be in by mid-February with the actual work starting sometime in May. "It would take at least six months for completion, but I estimate that the work could go on until Christmas. So what we're talking about is something that would happen a year from now," he said.

A substitute bridge is a slim possibility, but not very probable. "A substitute would cost about \$35,000, and a replacement without a substitute would cost about \$110,000. So the substitute would cost about a third of the new bridge, and since the city has to bear the expense, I doubt they would do it," Beachum said.

DURING CONSTRUCTION on the Pullen Road bridge, traffic would probably be re-routed to Ashe Avenue on the east and Dan Allen Drive.

### Through Peace Corps, VISTA

## ACTION provides opportunity

By Kathie Easter

Assistant News Editor

"People come to us for very altruistic reasons," said Ralph Cherry, one of three Peace Corps recruiters on campus this week. "But, actually the Peace Corps is a fantastic way to get practical experience."

Cherry then related the success story of one volunteer, a civil engineer just out of school, who got the opportunity to design and build an entire road system for a developing country.

"JUST THINK how that looks on his resume," said Cherry. "I can't think of another way that a person can get such responsibility so quickly."

Cherry and Mrs. Betty Crowder have been recruiting at the Placement Center in Daniels Hall all week and will finish today. Jim Crowder has also been recruiting in Williams Hall.

"I really don't know why we didn't have a VISTA representative on this campus," said Cherry, "but there is one at Meredith and one at Shaw."

PEACE CORPS and VISTA (Volunteers In Service To America) have

been combined by the Nixon administration into one agency called ACTION to cut down on administrative costs. Cherry stressed that field workers still receive the same pay and that their numbers had not decreased.

"As a matter of fact," he said, "last year we processed more applications than any other year in our ten-year history."

Crowder estimated that the Peace Corps has approximately 10,000 field workers in 61 countries all over the world. "VISTA has around 6,500 workers located in every state except Mississippi," she said.

FIELD WORKERS receive approximately the same annual income as a native doing similar work in that country.

"We require field workers to be over 18 and to either have a degree or enough experience to make them knowledgeable in some skill," said Cherry. "We have a great demand for technical skills."

Cherry and Crowder seemed pleased with the number of applications they have received this week. Cherry said that he was especially

pleased with the quality of the degrees.

"WE GOT AROUND 60 to 70 applications from this campus during the '72-73 academic year," said Crowder. "By the end of this week, we expect to have around 15 to 20."

Recruiters were hesitant to speak of the future of ACTION. "We're

funded year to year," said Cherry. "I suppose if a democrat gets in, we'll expand; and Nixon can't last much longer."

Cherry suggested that anyone interested in the Peace Corps should talk to Dennis Dunphy, a graduate student at State who did field work in Peru.

### Technician receives ACP A-A rating for spring '73

The *Technician* has been named an All-American college newspaper for the eighth consecutive semester by the Associated Collegiate Press.

The *Technician* received Marks of Distinction in all five categories judged: coverage and content, writing and editing, editorial leadership, physical appearance, and photography.

BY RECEIVING MARKS of distinction in all five categories, the

*Technician* is now nominated for the Pacesetter Award, which is the top award in collegiate journalism. This is the second year in a row that the *Technician* has been nominated. Last year only ten out of over 1,000 college newspapers were nominated for this award.

Beverly Privette, editor, said, "I was quite pleased considering our young staff last spring. We hope to continue to improve the quality of the paper this year."



staff photo by Caram

William Simpson, Chairman of the Affirmative Action Committee, is responsible for submitting a plan to HEW that will prevent discrimination.

# Karate course draws mixed reactions

by Lyn Walls

Staff Writer

The room is silent, but there is a sense of anticipation in the air. As the group of students in the mat room warm-up for class, an occasional groan breaks the silence and indicates that a muscle has been pulled too far.

Equipping the students with the techniques for personal defense, instructors, Russell Combs and Dr. Bill Marley try to instruct their students in the art of personal defense in the eight week duration of the course.

EACH SEMESTER 300-400 students are taught some of the basic techniques of Karate as blocks, kicks, blows and strikes in hopes that they can master enough of them to ward off an attacker. Instructor Russell Combs, explained that mastery of Karate skills takes many years; however, he added that

it is enough for students to learn the basics. "Hopefully some of it will be practical enough so they can use it if they need to," Combs stated.

Sitting in on the class is a lesson in concentration. Tommy Brown, a sophomore majoring in sociology said, "You really have to work at it to be good at it." Combs stressed the necessity of outside work and added that the students have only been taking the course for about three weeks. "It's not magic or anything," he said. "We work them pretty hard."

Freshman co-ed Jane Mangum enjoys the course and the concentration it involves; however, the course is not what she expected it to be. She does not believe the Karate will help her protect herself except in "some special cases, maybe with a kick."

THE MAJORITY OF the

students taking Personal Defense are men; but it is designed to be of use to women, too. Although the class is co-ed now, it has been taught to homogeneous groups. Combs said that a mixed class is better because women "can see the power of a man, the strength of a man" in a more realistic situation. "It's really not the idea to teach a woman how to fight a man," he said. While

men are taught how to stand up to another man face-to-face, women are instructed how to injure a man enough to allow her to scream or run for help.

A co-ed who wished to remain anonymous does not think the course is a worthwhile one. "I don't think I'll ever be able to use it," she said. She stated that, in order to apply the techniques taught, they would have to become

spontaneous. Admitting the need of outside work she said, "It doesn't do you any good to come to class if you don't do outside practice." She stated that the course was not too difficult but "sometimes you feel like a fool..."

He stated that it is a worthwhile and highly enjoyable course. He believes that he could apply the techniques to protect himself if he would "think" about the things he has been taught.

TOMMY BROWN signed up for the course because he had been interested in learning personal defense for a long time.

Ronnie Cox, a sophomore who emphasizes the importance of practice, believes that the course can be put to good use. However, he added, "he hasn't been taught how to run."

## Fuller presents opening concert

by Anne Castrodale

Asst. Features Editor

Musician-in-Residence, Charles Fuller, will present his first concert Sunday at 8 pm in Stewart Theater.

THE CELLIST will present a program of music including solo cello music from Suite No. 3 in C major by Bach, and Beethoven's Sonata No. 5 in which he will be accompanied by James Clyburn, a pianist from the faculty of Meredith College.

Highlighting the evening will be a duo for violin and cello by Kodaly, performed by Fuller and his wife, Janai.

FULLER EXPECTS a good turn-out for the concert. "There's always a lot of interest in the first concert," Fuller said. "Chamber music is for small audiences, so it won't be anything like Dave Mauney pulled."

Looking forward to the concert, Fuller said, "First recitals for a new musician are always nerve-racking."

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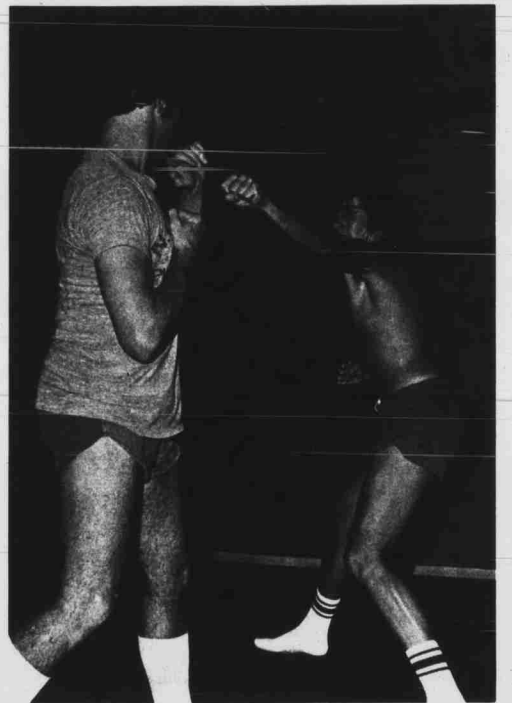
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Dave Grimm and Ed Halliburton master sparring, one of the many basic skills of karate taught in Personal Defense.

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**The Heartbreak Kid**

CYBILL SHEPARD CHARLES GRODIN

# Students seek assistance at Abraxas

By Anne Castrodale

Asst. Features Editor

Loneliness and sex-related problems including pregnancy and dating are only a few of the problems students are seeking solutions to when they come to Abraxas, a campus peer-counseling agency.

Abraxas is a "peer-

counseling" agency where the staff members try to be good listeners. We don't counsel as usually understood; we listen to problems people have and help them to work them out," said Steve Baxley, director of Abraxas.

**PATSY GORDON**, former director of the center noted that students who come to

Abraxas are seeking support and looking for someone to listen to them. "The problem hasn't reached the crisis stage yet where they need professional help. We try to emphasize their limitations as well as strong points, leading to self-awareness," said Miss Gordon.

Because the staff of Abraxas is concerned with helping any

student who contacts them, the contacts are kept confidential. The staff and the people who call remain anonymous.

"We don't ask for their names, don't give out our names, and operate such that there is no way that anyone could get information from us on who has called Abraxas," emphasized Baxley, a sociology senior.

**WHEN THE** counseling agency first opened, over 85% were walking cases, those who come to the office for help. Since then the number of telephone cases have increased so they are now the majority," he stated.

Baxley noted they have had very few cases dealing with drugs, alcohol, family and marital situations, financial problems, and suicides.

To qualify as a staff member for Abraxas, one must attend about 30 hours of training. This involves the learning of emergency first aid, basics of suicidology, drug training in distinguishing between different drugs and the effects and telephone techniques of counseling.

"The whole idea of training is to increase our listening skills," Gordon said.

**A PART OF ACQUIRING** the listening skills is learning "how to emphasize by going through role-playing exercises," Baxley explained. In this, one person plays the contact and another the staff member. The two go through and deal with problems which

are likely to be encountered while on duty.

After training, those interested in joining the Abraxas staff are carefully screened.

With 16 staff members, Abraxas' program will start around the first week of October and run between two and three weeks. Anyone interested in additional information about the classes is urged to call Abraxas and leave their name and telephone number.

**"WE'RE GETTING** a more responsible staff now which is adding to the quality of the organization," Gordon said. "The communication within the staff is good in working out any problems we encounter."

She specifically emphasized the benefits she has gained during the past 2½ years with Abraxas. "This has been, without reservation, the best learning experience I have ever had. I attribute a lot of where I am today to Abraxas."

"The staff is very close, and I know that I can go to one of them to talk out my problems," said the graduate student in guidance and personal services.

**ABRAXAS GREW** out of the results from a survey taken by the Contemporary Family course taught by Dr. Charles Mercer during the summer of 1971. The survey revealed that a majority of students felt their needs were not being met by the counseling center. They didn't think their problems were serious enough to bother the counseling center staff.

"Our original idea was to have a counseling center for all six colleges in Raleigh," said Miss Gordon, who was in the class from which the idea of Abraxas originated. "After discovering the difficulties involved, we decided to go with the State campus and work on that first."

"We felt there was a lack of this type of service on campus," Baxley added. "No other group was fulfilling this need."

**THE INITIAL OBSTACLE** was to convince the administration that the service was needed.

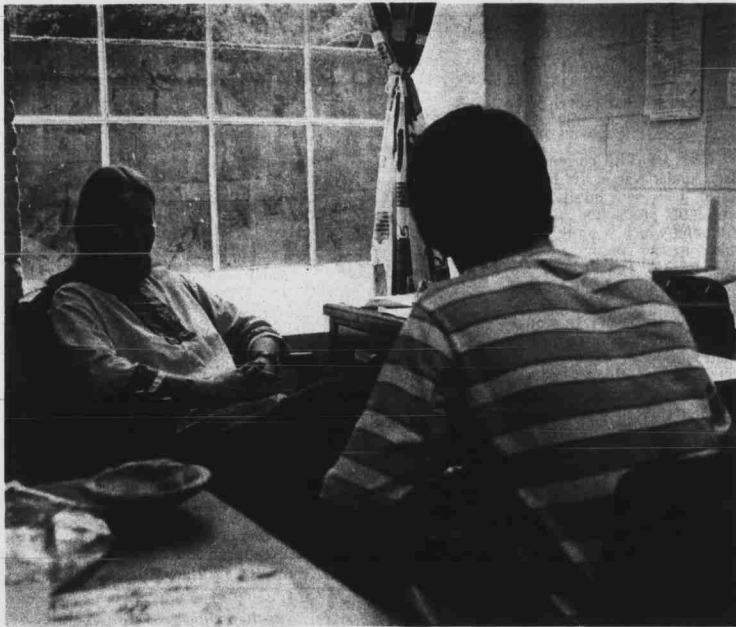
"I felt the students weren't being heard," Gordon said, "So I set out to prove that students were dependable and could responsibly run an agency of this sort."

Abraxas was officially opened on April 13, 1972 almost a year after it entered the planning stage. At that time, the staff was made up entirely of students.

Various communities have established agencies of this type, but "to my knowledge, State is the only campus in this area which has a peer-counseling agency," Gordon stated.

**OPEN SEVEN DAYS** a week from 4 p.m. to 12 a.m., room 17 in Tompkins, the staff encourages students to feel free to call or come to the office with their problems.

"They don't have to have a big problem, but can just know that we're there and we care, and that's important," concluded Miss Gordon.



staff photo by Halliburton

## Giving advice

Abraxas worker Gretchen Wilbur chats with one of the many people she sees during the day and night in the Abraxas office.

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# Horticulture aims to be first

By Reid Maness

Staff Writer

Lunchtime finds a group of students, secretaries, and lab technicians gathered in the "coffee room."

The conversation hovers around the exotic Italian "delights" which one student brings daily for his lunch. Then it meanders through topics ranging from athletics to social life to the traffic in the mornings. But finally it ends up in a discussion of the Horticulture Department.

THESE PEOPLE are all members of this rapidly expanding department. Their interest and enthusiasm for horticulture is one of the reasons the department is thriving. In fact, the Horticulture Department has, in the past five years, doubled its laboratory and classroom space, more than quadrupled its number of undergraduate majors, and opened new research centers in locations such as Clinton.

One of the reasons behind all this expansion is that student interest in horticulture has increased because of the relevance of this study of flowers, fruits, and vegetables to the problems facing today's society.

For example, a horticultural scientist has the opportunity to make discoveries which will help feed the world's people. Furthermore, horticulture it-

self is a rapidly growing field in which there are many good opportunities. And since teaching is the first priority of the Department, a student can receive an excellent education to prepare him to take advantage of these opportunities.

The advancements made by the Department in recent years include 29 new fruit varieties, 11 new vegetable varieties, and many new growth and production processes. One such process developed by a team of State researchers makes it possible to raise greenhouse azaleas year-round, instead of only during a few time periods. This advancement has proven to be a great boon to the floral industry.

ONE OF THE current projects under way in the Department deals with producing an apple for production in North Carolina which is more acceptable to the consumer and to the USDA. Dr. Richard Unrath, director of the project, said that "the consumer has been led to believe an elongated, red apple, like Washington state produces, tastes better, although scientifically we can find no difference."

Therefore, he is treating apples with a growth regulator called "ETHREL." This substance causes more red color and more juice, and also elongates the apple. In addition, some sort of overhead sprinkler irrigation system will be used to prevent heat from breaking down the red coloration.

The question arises as to how well such projects will continue after C. W. Donoho, head of the Department, leaves for Ohio State later this fall where he will serve as associate director of the Ohio Agricultural Research and Development Center. Donoho thinks that they will continue just as well. He and students agree

that it is "faculty competence that makes a department go." And the Horticulture Department does have a very good faculty, he feels.

Dr. Donoho hopes that the Department will be the number one horticultural facility in the country in a few years. Wouldn't that be nice to add to State's list of number ones?



staff photo by Halliburton

Professor Roy Larson examines the blossoming chrysanthemums in one of the many horticulture department greenhouses.



staff photo by Halliburton

Apples are the topic of discussion for Professor Harold Todd and his student. Research in now underway in the department to make apples redder, juicier and longer.

## University divided in units for more efficient records

(continued from page 1)  
Affairs, the library, the office of Business Affairs, University extension, and special units."

He continued, "Each unit had to submit their own report. In this way, more people were involved in the plan and each unit was compelled to analyze itself in terms of availability to minority groups."

EACH UNIT keeps employment records as to how many black or white men or women apply for positions on the campus.

"For example, the School of Forestry found out through a national survey that very few blacks were available for jobs," Simpson explained. "Therefore, our School of Forestry

can see that they could recruit more black students into their program."

A committee of representatives from each unit — faculty members, deans, or associate deans — has been appointed to periodically check into the plan and report its progress.

### Correction

In Wednesday's paper, the campus laundry was incorrectly said to have cleared \$166,000. The laundry's total volume was \$166,000, not its profit.

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## Gingersnap

By Linda Anderson and Ginger Naylor

Lunchpackers, here is a recipe for a simple but good moist cake which is relatively inexpensive and can be easily prepared without a mixer. It travels well in lunches and stays fresh for several days.

### Carrot Spice Cake

1½ cups sugar	1 t. nutmeg
1½ cups raw, grated carrots, packed tightly	1 t. cloves
1 cup raisins	1 t. cinnamon
1 1/3 cup cold water	1 cup nuts
3 tbs. margarine	

Combine the above ingredients in a saucepan. Bring to a boil and continue boiling for 5 minutes, stirring constantly. Cool.

Add 2 cups flour, 2 t. baking soda, 1 scant of salt, and 1 egg.

Beat mixture well, pour into a greased 8 x 12 inch pan and bake at 350 degrees for 45 min.-1 hr.

This cake does not require an icing but if desired a light dusting of confectioners sugar can be added.

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# Campus names mirror history

On October 3, 1889, the North Carolina College of Agriculture and Mechanic Arts opened its doors for the first time. Next week N. C. State University celebrates the 84th anniversary of the opening of the college.

In 1889 the only campus building was Holladay Hall.

Since that first building, the campus has grown to include 120 buildings with an estimated value of \$120 million. The central campus is 596 acres in area, though the University owns 88,000 acres, including one research and endowment forest of 78,000 acres.

A major force behind the establishment of a school for agriculture, mechanics and industrial education in North Carolina was a group of Raleigh business and professional men who called themselves the Watauga Club. Recognizing the potential impact of industrialization on the South, the forward-looking Wataugas stressed the need for training necessary to develop the state's resources.

Watauga Hall, for many years a dormitory and now headquarters for the University information services and facilities planning officers, honors those early pioneers. Also the *Watauga*, the campus humor magazine in the 1930's and 40's, was named after this club. The club is still in existence.

**FOUNDER OF** the Watauga Club was William J. Peele, a Northampton County native and the "grandfather of State College." "Greek and Latin get people nowhere," Peele claimed as he spoke against "those fossils who oppose education for the common man." Peele Hall, housing University admissions, records and registration and the graduate school, honors him.

The personal battle of Clarence H. Poe to make rural living better is remembered in

one of State's newest buildings. Through the columns of the *Progressive Farmer*, which he edited from 1899-1964, Poe waged warfare on prejudices against "book farming." Poe Hall is headquarters for the School of Education.

Probably the first crusader for a land-grant agricultural college in North Carolina was colonel Leonidas K. Polk of Anson County. The state's first commissioner of agriculture, Polk began campaigning for an agricultural school in 1862, the year the federal Morrill Act authorizing states to establish land-grant institutions was passed.

**POLK FOUNDED** the *Progressive Farmer* and led farmer organizations in their demands for a school to meet their needs. Polk Hall, headquarters for animal science and biochemistry programs, is the scene of extensive livestock research.

The initial thrust for textiles education in North Carolina came from Charlottean Daniel A. Tompkins who pushed for passage of a bill calling for textiles instruction. Tompkins Hall, reflecting the architecture of early textile mills, housed the first textiles department. Today, the School of Liberal Arts, Department of Politics and speech-communications division have offices there.

Two of five sons of N. C. Supreme Court Justice Walter Clark who attended State are remembered in buildings named for them. The campus infirmary, Clark Hall, honors Walter Clark Jr. who until 1972 was the youngest State graduate at 18.

Clark Laboratories, headquarters of the textile chemistry department, is named for "Uncle Dave" Clark who for 60 years was "Mr. State College." David Clark was a member of State's third graduating class. By age 21 he held four college degrees. Starting

his career with the textiles industry as a sweeper making 50 cents per day, Clark later strongly supported a textiles foundation to provide private support to the NCSU textiles program.

**SPRAWLING GARDNER** Hall, named for North Carolina's depression governor, O. Max Gardner, houses State's broad biological sciences programs. Gardner, an alumnus and one-time chemistry instructor, succeeded in consolidating the Raleigh, Greensboro and Chapel Hill campuses into the university system.

Charles Williams, the valedictorian of State's first class and the captain of its first football team, was associated with State for nearly 60 years. He was a professor of agronomy, director of the N. C. Agricultural Experiment Station and dean of agriculture. Williams Hall houses the soil science department.

Alamance native Robert W. Scott, father and grandfather of former North Carolina Governors W. Kerr and Robert S. Scott, was a staunch State supporter. He helped acquire additional lands for the school and secure funds for building construction. Scott Hall is headquarters of poultry science.

**SEVERAL OF** North Carolina's largest industrial concerns have also contributed to the development of State. Burlington Industries financially supported the Burlington Engineering Laboratories, where in 1953 the first nuclear reactor for educational purposes was activated. Since then the building has been enlarged and now houses a new Pulstar reactor.

Other campus buildings reflecting contributions from N.C. industry include Reynolds Coliseum and the Robertson pulp and paper laboratory named for Reuben B. Robertson, who built the Champion Paper and Fibre Company in western North Carolina.



The desk on which the bill was written to establish A&M College is presented by L.Y. Ballentine (center) to Chancellor Harrelson while Dean I. O. Schaub looks on.

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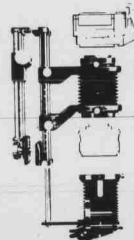
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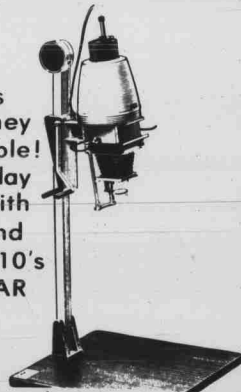
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# North Carolina State University

October 3, 1889—October 3, 1973

Photos from Archives and Ed Caran



The class of 1914 gave this water fountain to the College. It is located between Primrose and Tompkins Halls. In front of Primrose there is a sundial donated by the class of 1913.



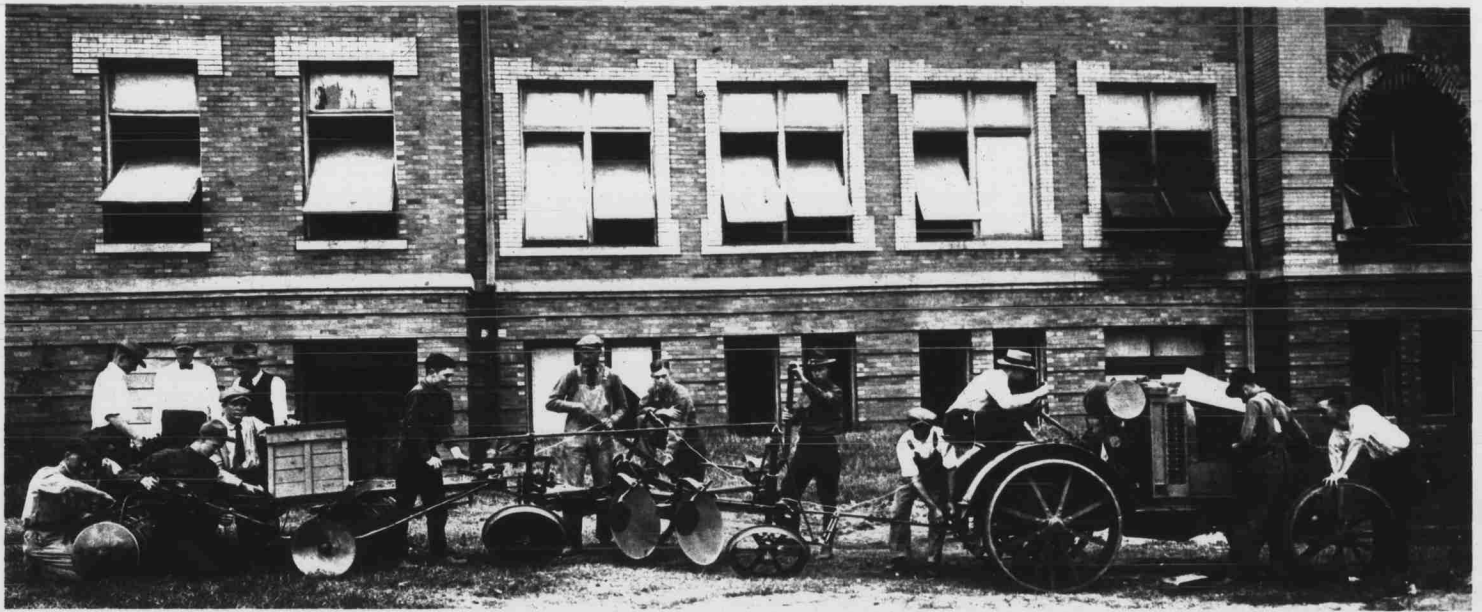
1911 Building, named for the class which abolished freshman hazing, decorated for Homecoming



In Riddick Stadium the marching band, 51 strong, performs at a halftime in the early 50's.



Trailwood was a trailer park for married students after World War II. It was located in the area of the brickyard. In the background, the steel framework of the Coli under construction.



A class in agricultural implements in the early part of the century examines modern equipment behind Patterson Hall. An early tractor is pictured.



In 1917 members of home demonstration club lunch at the old dining hall in Leazar Hall.



In July 1924 the Pullen Road Bridge was under construction. When the bridge was complete, it became a popular pastime of students to roll snowballs into steam locomotive smoke stacks.



The Animal Husbandry Building about 1920 with the lab and insectary of the department of Entomology at the rear was demolished in early 1960 to make way for Mann Hall.



In the mid-1920s a bell was installed on top of Withers Hall to ring to change classes. But the bell never replaced the steam whistle in the power plant (below). The steam whistle could be heard all over West Raleigh. The whistle was used until the mid-1930s.



# et cetera

*Editor's Note: Readers are invited to submit brief notices for inclusion in et cetera. Deadline for material is Friday the week before publication. All of the information gathered from the theaters, museums, clubs and sponsoring organizations are subject to change.*

## art

**MACKEY JEFFRIES**, painter, Student Center Gallery through October.

**BOB ALLEN**, photographs at Pro-Camera, Village Subway, through October 1.

**NANCY WEBB'S** seascape watercolors, Little Art Gallery, North Hills, through October 15.

**PAINTINGS BY** Bob Irwin of Raleigh, and Forrest Jacobs of Atlanta, Garden Gallery, Durham, through Sunday.

**DUKE STUDIO** Art Faculty Exhibit, Duke Art Museum, through Sunday.

**PAINTINGS, Sculpture, and Photography** by Bassett Committee Symposium participants, Duke University Art Museum, opens October 1.

**CAPPY PEVERALL** Pottery, East Campus Library (Duke), Sunday through October.

**AMEN GALLERY** Print Collection, 104 Flowers (Duke), Sunday through October.

**GEORGE WALKER** photographs, NCCU, through October 5.

**ALLIED ARTS 1973** Faculty Show, Allied Arts of Durham, through Sunday.

**SIX PAINTERS of the 70's:** Abstract Art and the New York School, Ackland Art Museum, Chapel Hill through Sunday.

**MATISSE and his Contemporaries**, a print show from the UNC-G collection, Ackland Art Museum, Chapel Hill, opens October 7.

**HENRY WYCHE**, Morehead Planetarium, Chapel Hill, through Sunday.

## concerts

**TREVA**, a three member acoustic group from Chapel Hill, is playing tonight in the Rathskellar in the Student Center. Free. Open jamming. Bring wine.

**AGNES DE MILLE** Heritage Dance Theatre, Friends of the College, Reynolds Coliseum. Free to students upon presentation of registration and I. D. at the door. October 3-5.

**MATTHEW AND PETER**, a contemporary acoustic group, will give a Homecoming Concert at 8 p. m. Saturday, October 13, in Stewart Theatre. Admission free. Tickets may be picked up at the Box Office starting Monday.

**LOVE VALLEY** Bluegrass Convention and Buckdancing and Beauty Contest, Love Valley, September 28-30.

**THE FOUR FRESHMEN**, celebrating their silver anniversary, will perform at the Frog and Nightgown, Subway, Cameron Village. Saturday Saturday.

**USA FIELD BAND'S** Satin Brass and Soldier's Chorus "Sing Out for America," Memorial Auditorium, October 3, 8 p. m. Free.

**BAROQUE CONCERT**, benefit of Duke Preschool and Primary Program Scholarship Fund, Duke University Art Museum, 3 p. m., Sunday.

**N. C. SYMPHONY** Chamber Players, East Duke Music Room (Duke), tonight, 8:15.

**GWENDOLYN** Tait Haskins, soprano, with Scott Hill, piano, and Dr. Mary Gray White, cello, B. N. Duke Auditorium (NCCU), Sunday, 4 p. m.

**MARTHA FLOWERS**, soprano, and Wilton Mason, piano, Hill Hall, Chapel Hill, 8 p. m., October 2.

**DUKE UNIVERSITY** Symphony Orchestra, Page Auditorium (Duke), 8:15 p. m., October 12.



**Godspell**, the hit musical based on the Gospel according to St. Matthew will be performed four times October 6-7. All performances are sold out.

**MAHAVISHNU ORCHESTRA**, Carolina Union, Chapel Hill, October 12.

**BENNY GOODMAN**, Cameron Indoor Stadium (Duke), 8:15 p. m., October 13.

**DUKE UNIVERSITY** Wind Symphony, Duke Gardens, October 14, 4:30 p. m.

**NEW YORK BRASS** Quintet, Raleigh Chamber Music Guild series, Stewart Theatre (NCSU), October 14, 8 p. m.

## stewart theatre

**CAMELOT**, 6, 8:45, and 11:30 tonight. Pick up free tickets at the Box Office.

**PUPPET ON A Chain**, 7 and 9 p. m. Saturday. Pick up free tickets at the Box Office.

**CHARLES FULLER**, Musician-in-residence concert, 8 p. m. Sunday. Free.

**ABE LINCOLN TONIGHT!** 8 p. m. Thursday, October 4. David Wood. Free.

**GODSPELL**, 3:30 and 8 p. m. Saturday, October 6, and 2 and 8 p. m. Sunday, October 7. All performances sold out.

**LOTTE GOSLAR'S** Pantomime Circus, 8 p. m., October 10-11. Tickets on sale at the Box Office.

## sports

**STATE-GEORGIA** football at Athens, Georgia, 2 p. m. Saturday. WPTF airtime 1:45 p. m.

**STATE-MARYLAND** soccer at College Park, Md., 11 a. m. Saturday.

**STATE-CAROLINA-VIRGINIA** cross country, here, 11 a. m. Saturday.

**DOVE HUNTING**—Season open statewide through October 6.

**RAILS AND GALLINULES** Hunting Season open statewide through November 9.

## miscellaneous

**CENTRAL CAROLINA** Billy Graham Crusade, Carter Stadium through Sunday. Nightly at 8. Free.

**BUCKMINSTER FULLER**, Duke Union Major Speaker. Page Auditorium. October 2, 8:15 p. m. Free.

**DISCOVER AMERICA** Travel Showcase will be on display in the North Hills Mall through Saturday.

**SOCIETY OF Afro-American** Culture. Ghetto. 8 p. m. Two brief educational films will be shown. "Sickle Cell - An Inherited Disease" Sunday and "Improving Study Habits" Monday.

**HIGH SCHOOL** Drama Clinic Friday, October 5, 8 a. m. to 5 p. m. for teachers and students interested in theatre. Thompson Theatre.

**BOSTON SYMPHONY**—Sunday WKNC-FM will broadcast the Boston Symphony from 5 to 7 p. m.

**DAYS AND NIGHTS** in the Forest. Indian film. Alternative Cinema, Poe Hall Auditorium. October 5 and 6, 7 and 9:30 p. m. Admission \$2.

**THE ADVERSARY**, 7 and 9:30 p. m. tonight and tomorrow in Poe Hall Auditorium. Alternative Cinema. Admission \$2.

**MEMORIES OF UNDERDEVELOPMENT** 7 and 9:30 Thursday October 4. Alternative Cinema, Poe Hall Auditorium. Cuban film. Admission \$2.

**"NORTH CAROLINA: the Goodliest Land"** and "The Carolinas," Month of Sundays, Archives and History Auditorium, Sunday, 3 p. m.

**"THE SIXTIES,"** 10 years of CBS news footage, and "Lapis," film made on an analogue computer, Mid-Day Matinee, Olivia Raney Library, 12:15 and 1:15 p. m., October 3.

**"CANDLE COFFEE"** to benefit Mordecai Square Historical Society, Inc. and others, sponsored by Raleigh Association of Kappa Kappa Gamma, Mordecai House, 1 Mimosa Street, 10 a. m. to 5 p. m., October 5.

**"THE AGING OF CYNTHIA,"** a sky drama about the moon, through October 29 at Morehead Planetarium in Chapel Hill. Daily at 8 p. m., Saturdays at 11:30 a. m., 3 and 8 p. m., and Sundays at 2, 3, and 8 p. m.

**N. C. MUSEUM** of Natural History, located 109 E. Halifax St., 9 a. m. to 5 p. m. Monday through Saturday, 2 to 5 p. m. Sunday.

**N. C. MUSEUM OF ART** located 107 E. Morgan St., 10 a. m. to 5 p. m. Tuesday through Saturday, 2 to 5 p. m. Sunday.

**THE NORTH CAROLINA** Museum of Life and Science, located 433 Murray Ave., Durham, open 10 a. m. to 5 p. m. Tuesday through Saturday, 2 to 5 p. m. Sunday.

## theatre

**SHOW BOAT**—Village Dinner Theatre. Nightly except Monday with 7 p. m. buffet and 8:30 p. m. curtain.

**FIDDLER ON THE ROOF**, Taylor Theatre, UNC—Greensboro, through October 4.

**"THE THREEPENNY OPERA,"** Carolina Playmakers, Chapel Hill, October 3-6. Tickets on sale at Playmaker's Business Office in Graham Memorial Building, 933-1121.

**"MY FAIR LADY,"** Raleigh Little Theatre, opens October 10.

**"THE HOSTAGE,"** Duke Players, Branson Theatre (Duke), October 11-14 and 18-21.

**"TWO GENTLEMEN OF VERONA,"** Broadway at Duke, Page Auditorium, October 17, 4 and 8:30 p. m.



# Jacques Brel alive and well in Stewart

*Jacques Brel Is Alive and Well and Living in Paris* is a bombardment of all the senses tied together by an intensity of mad, wild imagery and stark symbolism. It overwhelms an open imagination with much profound and personally relevant commentary on emotions and social influences. Result—confused, mixed emotions and thoughts, a draining of all color from the mind.

THE SHOW is based on the poetry, commentary, and lyrics of Jacques Brel. Brel is definitely in tune with the vibrations of his own emotions as well as those of others. He

blends a strong web of internal confusion with a constant striving for something not quite attainable but yet worth aiming for.

The opening song of the show, "Marathon" took a tongue-in-cheek look at the twentieth century, viewing it as a marathon that moves more as it begins to close out.

The tone shifted into "Alone", a despairing account of the recurrent feelings of alienation and loneliness. One is inclined to sense a despair reminiscent of Samuel Coleridge's "Woman waiting for her demon lover."

"I LOVED" was a delicate, soft song in which the listener drifted along on the tides of a waiting lover's emotions. The imagery of this song was highly prominent as the lover remembered that he kissed her mouth with promises and, as she so aptly describes it, "loves me like a poet loves." Though she was deeply hurt by his misdeeds, she has a last ironic laugh because she has forgotten his name.

"Marieke", sung partly in French, brought a feeling of the personal power of Brel to the show. Before, one felt that he was just a demented genius

waiting in the shadows to throw another kink in a listener's mind. After it is over, there is a solid core left for one to grasp, a tangible touchstone of Brel's intentions.

THE TERROR of loss of innocence and associated feelings of being just another entity in line before and after more entities were central in the plea for permanence in "Next". It becomes finally a scream for some way, somewhere to not be... next.

Lights were central in creating a chaotic effect for "Carousel", which is life in all its wild, weird, crazy, socially

insane ways. However, there is resolution to the problems and the madness offered in "If We Only Have Love." The song delivers a somewhat optimistic look at personal order out of and in spite of chaos—"If we only have love, we will have a way out," death will have no shadows in which to hide.

The performance seemed to drag somewhat, perhaps because of slack interpersonal relationships—within the show itself, and between cast and audience.

SIMILARLY, the technical aspects of *Alive and Well* were considerably weaker than the show truly deserved. The potential for magnificence in true audience appeal was wasted because of poor creative technological expression, especially

so far as lighting was concerned.

The music was highly provocative and touching at times. However, much of the sound often drifted into mundane bewilderment. It often overwhelmed the singers to the point that highly sensitive poetic imagery was smothered because of its inaudibility.

Perhaps this can be attributed in part to the fact that it was a touring show with all its limitations of time, space, and supporting money. Still, a show of these dynamic proportions should have attempted a more highly professional approach to the show because even though Jacques Brel is alive and living in Paris, The Alive Company is, as often as not, merely existing.

—Bill Miller

## crier

SENIORS Free yearbook portraits are now being taken from 9am until 5 pm, room 2104 Student Center.

1973 Yearbooks are now available for green reservation card holders. All books must be picked up by 3 October.

GRADUATE DAMES will have a potluck picnic Sunday Sept 30 at 4 pm in Pullen Park at the roundhouse. Please bring a potluck item to feed 6-8 hungry people. Dames will provide pepsi, paper plates, cups, utensils, napkins, and ice. Volleyball, badminton and horseshoes will be offered.

EKANKAR, the path of total awareness, will be the subject of a free film by Darwin Gross, the Living ECK Master; 7:30 pm Sept 29 at the Raleigh Unitarian Church, 119 Hawthorne Road.

SPORTS CAR Club meeting, 7 pm, Rathskeller, Student Center Oct 1. Program: autocross preparations and basic rallying.

GO! THE Hungries? Perhaps your sweet tooth needs some satisfaction! Come to the bake sale tomorrow, September 29, at 3 pm on the first floor of the Student Center. This affair is sponsored by SAAC.

ABRAXAS. The first meeting for the training of new staff members for Abraxas will be held Thursday, October 4 at 7 pm in Poe 522. General counseling techniques will be covered. All interested persons are invited to attend.

COLLIGATE 4-H Club meeting, Monday Oct 1, 8 pm; room 2124 Harrison Room, D. H. Hill Library. New members are invited.

AUDITIONS for Stage 73's production of CYRANO DE BERGERAC will be held at 4 pm this Sunday at the Armory in Pullen Park. For further information call 833-8994.

STUDENT TOUR. Anyone interested in a student tour Dec 26-Jan 3 please call Reid Maness before Sunday. The cost includes guided tours, meals, room, theater visits, and transportation.

FOUND: A pair of Black safety glasses in Lee's parking lot. Claim at Information Desk.

NCSU Veterans Club will meet Fri 28 Sept at 7:30 pm in the Alumni Bldg.

RAFT CENTER is offering classes in mold casting, pottery, decoupage, photography, wood, and enameling this fall. Come to the Craft Center to register between 2 and 10 p. m. weekdays.

## classifieds

SALESMAN, men's clothing, experience preferred. Apply at THE CLUB SHOP, Cameron Village, 832-0514.

1968 GTO, power, air, automatic, more! Call Hank, 755-9012, room 208 Gold.

EXCELLENT part-time jobs available at the Raleigh YMCA. Swimming and gymnastics background helpful. Good character and health essential. Contact Wayne Crockett, 832-6601 for appointment.

LOTS of student jobs available. Various hours. See Mr. Gilman or Mr. Barkhouse, University Student Center Food Service 737-2160 or 737-3306.

MY MOTHER always told me to sit up straight, brush my teeth, and watch out for the boys at NCSU. But Freddie, mother never told me about the great food at the Student Union!

NO WAITING—Quick breakfast on Dell side of Student Center Cafeteria—get a quick lift in the morning. 7-10:30 am.

COMPUTER PROGRAMMER Wanted. Graduate Assistantship or Undergraduate Part time. Call Bob Hamer, 737-3127 or in person at 602 Poe Hall.

STUDENTS! Faculty! Secretaries! Staff! Why go off campus for a fine lunch? The Walnut Room is open 11:30 to 1:30 pm Mon-Fri. We offer atmosphere, excellent food at low prices, come see us!

HONDA 1973 1/2 CI 350 K-5 Red and white, 500 mi. inspection just completed; show room condition; \$800 includes helmet; 467-9264.

NO WAITING—Quick lunch on Dell side of Student Center Cafeteria. \$1 for a full stomach. 10:30 a. m. to 2 p. m.

NEED personnel for Telephone Survey. Full-time days and part-time evenings and weekends. \$1.80 per hour. Call 737-2540, 9 am to 4 pm.

YAMAHA 125 Street Bike, good condition. Call Neil, 832-6135.

NEED STUDENT 3-5:30 pm daily for child care and housework. Must have own transportation. Call 787-0432 after 5:30 pm.

FEMALE Roommate wanted 1 bedroom apt. Jefferson Gardens phone 851-6858.

LIBERAL Roommate wanted to share 2 bdrm Townhouse. Call Lee or Bill 467-6360 between 6:30-11:30 pm.

QUICK, FAST relief for hunger pains, empty stomach, lack of negotiable currency, and the heartbreak of pauperism—dine in the Walnut Room!

Go State!

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—GENE SHALIT, WNBC-TV



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ALFRED HITCHCOCK'S "FRENZY" and "DEEP THRUST" BOTH (R)

# Governor takes rural health initiative

Governor Jim Holshouser has underlined his concern for the poor and underprivileged in North Carolina with the introduction of a dramatic new system of rural health care. It is an innovative step forward in providing decent standards of health for those least able to afford them.

Plans are presently underway which will insure the allocation of state funds to aid counties in the construction of clinics to be staffed by nurse practitioners. Five such clinics are to be begun soon, while plans for ten more are being formulated.

Health care in North Carolina has been nothing to brag about in the past. There are still areas of the state, such as in remote Appalachian regions, where medical care for the poor is almost nonexistent. These areas in some of the poorer counties are the places where the newly instituted system of health care

will be of the most benefit.

Holshouser's initiatives in the establishment of these clinics shows a genuine concern on the part of the governor to provide for the vital needs of the people of the state. It displays a forward-looking attitude that cannot be faulted.

Holshouser, with this move, has shown that rather than employing his office for purely political purposes, as it would have been easy to do, he is utilizing it for the good of the state. Rather than concentrating on unimportant problems with little relationship to the future of the state, Holshouser has chosen to establish priorities that favor the people rather than the party.

Holshouser and his administration have been accused of engaging in partisan politics in their dealings with the N.C. Highway Patrol and other areas of state

government, but in this latest initiative, Holshouser has displayed an interest in his state and its people that greatly transcends politics.

The health of the people, rich or poor, is, in the final analysis, one of the bases for a progressive and productive state. The new system of clinics planned to aid

in rural health care is a major step in guaranteeing the state's citizens their right to decent health. The health of the citizens cannot be underestimated, and Gov. Holshouser, realizing this, has taken strong steps to correct the deficiencies in the realm of health in North Carolina.

## Technician

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, is registered. It is the mouthpiece through which the students themselves talk. College life without its journal is blank.

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

## Pardon our pride, but...

For the eighth consecutive semester, the *Technician* has been named All-American by the Associated Collegiate Press. Perhaps it is time to once again explain the operation of the paper since in recent weeks questions have cropped up as to the use of student fees in its production.

Of last year's budget of \$93,119, only \$23,000 came from student fees. Of this amount, \$3,000 was returned to the Publications Authority at the end of the year. The *Technician* was the only one of the major campus media to finish the year in the black.

The individual student pays approximately \$2 per year in student fees to the *Technician*. Broken down this means that each student pays two cents for a single issue. To produce each issue costs the *Technician* over ten cents. Add to these expenses, the costs of special editions such as the traditional Homecoming issue, as well as the costs of special supplements such as *attractor* and *Touche*, and the printing expenses are greatly increased. Because of advertising receipts, the *Technician* is able to provide a quality product to the students at a cost far below the costs of production.

Hopefully, the *Technician* will be able to continue to cover news and events of interest to students at State as it has in the past. Due to a paper shortage nationwide, the size of some of the issues will have to be necessarily reduced in size. A new format has been adopted for the *attractor* using an available if more expensive type of paper rather than curtailing the supplement. An endeavor is being made to maintain a high degree of quality even though this may entail a rise in costs. Of course, these costs are absorbed by the *Technician*, not by an increase in student fees which will remain the same.

As always, the *Technician* looks to the day when it can operate independently of student fees. Until that time, an attempt

will be made to use only necessary money from students, while the greatest part of publication expenses will continue to come from sales of advertising.

However, to remain as much a student newspaper as possible, the *Technician* continues to solicit student input and opinion. As long as even the smallest percentage of student fees are employed in producing the *Technician*, it will remain open as a forum for all the students.

## Blissful Ignorance

# Just what we don't need

By Larry Bliss

Guest Columnist

According to an article in the Monday editions of *The News and Observer* those of you who can't drive can get a "non-driver's license" that looks a lot like a regular license. Such a license comes in handy when you try to write a check or see *Last Tango*.

Within reason, the idea is a fine one. But since the government is running it, it's bound to get out of hand. In the near future, incidents like this may occur:

A stranger walks out of the door of one of Raleigh's bus stations. (There are two, to confuse travelers and keep them from coming back). He is not ten feet out of the door when a policeman accosts him.

"Excuse me, sir," he says, "can I see your non-driver's license?"

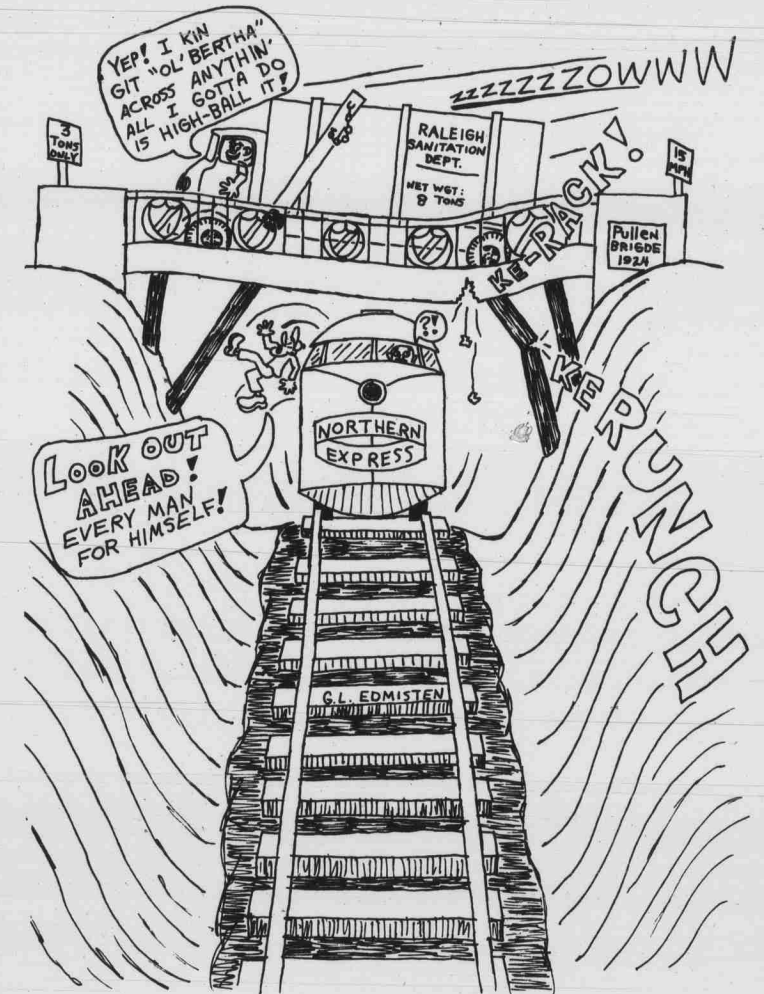
Our visitor is confused. "But I drive a car," he protests.

"But you don't have one here. If there is no car for you here, then you're a non-driver."

"All right. Where do I get a non-driver's license?"

"Department of Unvehicles. Just around the corner."

Soon our hero is filling out an unapplication for a non-driver's license. It is a time-consuming job, considering the pencil he was given has an eraser at both ends. He hands it in to a secretary



(a nonentity of course) and is asked whether he was unborn here and how often he has not voted since 18.

"I can't say offhand..." he begins.

"Good enough," says the secretary and puts a seal of uncertification on a form. "Here you aren't, sir."

The visitor sets off for his hotel. He crosses a busy street as the sign says "WALK" and he is nearly marinated by a passing beef truck and police escort. Shaken, he follows a crowd across the intersection against the lights.

After unchecking in at the hotel, he turns off the TV and watches the non-news. It's been quite a day; the President was not impeached, no coup d'etats occurred in South America and Howard Hughes appeared in public. A commercial breaks in.

"Are you suffering from iron-rich blood? Remember, nine out of ten unlicensed physicians don't recommend Magnitor, the tiny non-on-time capsules that use magnetism to get rid of that metal in your arteries. So don't be a ferrie! Use Magnitor today!"

"Remember ABC's not-so-special. 'Jacques Cousteau Fixes His Plumbing.'"

The set is turned on and the screen goes blank. Our weary and muddled traveler picks up the phone.

"Hello, Room Service? . . . Unservice, excuse me. Please don't send up a couple of aspirin and

a drink to room 304."

A while later a knock is heard on the door; the visitor admits a bellboy, who is female. He throws the aspirin into his mouth and quaffs the drink.

"That was terrible," he said, smiling. "What was it?"

The bellboy shows him the label: The Ununcola.

## Technician

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Consulting Editor . . . . . John N. Walston  
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# LETTERS

## Get it together!

To the Editor:

In the *Technician* for Wednesday, September 26, it seems that once again the ruling elite of the Union are under fire. This article stressed that there is basic apathy among Union officials. I acknowledge the fact that the *Technician* is correct.

It is appalling when you realize that students with such responsibility, are lax in their duties. The Student Center is very unique in that it involves all students on this campus. The Board of Directors, as the official governing body of this great facility, should realize that constant attention should be maintained to insure maximum effectiveness of operation.

I recommend to the President that some reprimand be given to those that feel they do not need to participate in meetings that concern the smooth efficient operation of the Student Center. I recognize that the Student Center is a focal point on campus primarily because of three reasons: 1) it provides activities for all students, 2) the funds for programming and operations come from student fees, and 3) the closing of Harris Cafeteria makes the Student Center the only food service left to students. Are we, as members of the Board of Directors, so blatantly apathetic that we cannot recognize the responsibility that is inherent with being a member of the Board of Directors?

As a participating member of the Board of Directors, I urge - no, demand - that all members get themselves together.

Bernard M. Hayes  
Union Vice President

## Rebuild or destroy?

To the Editor:

I do not usually take the time to respond to the inaccurate and malicious editorials frequently appearing in the *Technician*. I must, however, make an exception and respond to the

editorial entitled "Rouse-Bennett clash bodes ill for GOP" appearing in the Monday, September 24 edition.

By asserting that Frank Rouse is a "man afraid to lose his office" and that Tom "Bennett appears to be the more level-headed of the two candidates", the editor displays a certain degree of ignorance concerning the politics of the NC/GOP. As an individual who has had an opportunity to work with Frank Rouse in Republican Party politics over the past two years, I can say from experience that I have never worked with a more level-headed, capable man than Frank Rouse. It must also be added that Frank Rouse is greatly responsible for the success of the NC/GOP in 1972 which undoubtedly beaues this publication.

It appears that many Democrats and Democratic newspapers across the state are wishfully speculating that the Rouse-Bennett "catfight" will divide and destroy the NC/GOP. As was the case in the 1972 GOP Gardner-Holshouser "catfight", however, the NC/GOP will remain healthy and alive despite the efforts of those incredulous individuals who seek to destroy the party of the people.

Larry Norman  
Sr. Politics

## The real thing

To the Editor:

The articulate Graham editorial is rife with unsupported generalization and personal attacks on Mr. Graham. It raises several rather nebulous questions. Are all Christians gullible and weak-willed? Is Billy Graham a flim-flam man? Is Jesus Christ for real?

History has shown that real Christians have been men of decision and strength. Moody, Mueller, Tayler, Lewis and many others are recognized even in the secular world as possessing a power not attributed to the weak-willed and gullible. That power is not unique. All who have a personal relationship with Jesus Christ can possess it.

The action of Mr. Graham concerning Vietnam and rapists only reveal that he is a human being, entitled to his own opinions whether right or wrong. The Bible requires Christians to be in the world, but not of it. (Only a real Christian will understand why that statement does not advocate non-involvement.)

What Mr. Graham preaches is relevant and credible because it affects every aspect of our lives and is supported by the authenticity and sufficiency of the scriptures. There are no contradictions in the Bible. The Bible is historically, archeologically and scientifically accurate. Diseases are cured rather than symptoms treated by the philosophy the scriptures put forth.

But all this is vain jangling if not substantiated by experience, fact. I am twenty-six years old, a seven-year Marine Veteran, father of two children. I am not prone to fantasy. Jesus Christ is as real to me as the student in the next seat. You can test this evidence. Ask Jesus to come into your life and take control. Or, you can die. In either case Jesus will become as real to you as he is to me.

Jeff Jernigan  
Fr. Eng

## Viewpoint

To the Editor:

In response to the editorial "Is Graham Practicing What He Preaches?", I would like to share my viewpoint with the students at State who perhaps read this prejudiced and narrow-minded article. I am not an authority on Billy Graham, his personal life, or his organization. In fact, I never have met him personally. I could not help but reply to anyone "gullible" enough to buy the Devil's propaganda as presented in Wednesday's first editorial.

First, "the best that can be said about attending a Graham crusade" is not that they are free, and "provide temporary escape from the world for the gullible. On the contrary, the best that can be said is that those attending often come to accept God's free gift of life (now and forever) and that their gullible and blinded minds are opened to "the truth that sets men free." Accordingly, this truth does more than provide a temporary escape from the world, but a permanent escape from the confusion, misery and judgement of sin. This truth is that God loves us in spite of our sinful rebellion towards him (Billy Graham included). He sent His son Jesus Christ to take our place for our sin. He died for us on the cross! He took our Hell! This sort of escape in Christ liberates us from the oppression of sin and the worry of facing God, because in Christ we are forgiven! At the crusade Graham presents this message

Randy Robertson  
Junior, ANS

# students' VOICE

Marilyn Horney

SG's hotline telephone service

737-2444

Is there anywhere a student can get a quick short-term loan?

Yes! The Financial Aid Office will make loans of up to 100 dollars for a period of up to 30 days at 1% interest. This is taken from a special loan fund. The Financial Aid Office is located in room 205 Peele Hall.

How can a student have a part in the ticket policy making decisions if he is not a senator?

You may contact members of the Senate Athletics Committee or members of the University Athletics Committee. You can obtain a list of the names of these committee members by calling the Student Government office (737-2797) or coming by in person. The Athletics Committee meetings are open to anyone and you may submit your suggestions in writing to the University Committee.

Is Student Government planning on purchasing more calculators and will any new types be offered?

With the rush and demand last week for calculators (due to a big Chemistry test, I understand), Student Government is seriously considering purchasing some more in the near future. But as of now, we cannot say if there

will be any new types available. Try again later!

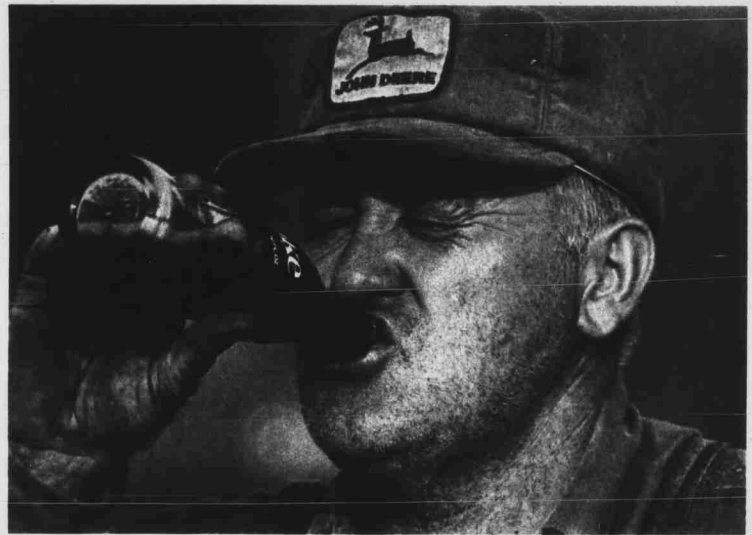
When will the parking deck be completed and who will be able to use the deck?

The parking deck will be completed by January. No final decisions have been made concerning who will use the deck. This decision is in the hands of the Parking and Traffic Committee but it will probably be for commuting students and some staff members.

I have some ideas that I would like to be introduced to the Senate. How do I go about doing this?

Follow these three easy steps: 1) Find a senator in your school by contacting your school council or by calling the Student Government office; 2) Present your ideas to the senator and help him write up the bill. He will introduce it at the next senate meeting; 3) Be available to attend the senate meeting at which your bill is introduced and also plan to attend the meeting of the committee to which your bill is assigned. This information can be obtained through your senator.

Any questions or suggestion? Call Student's voice and let your voice be heard.



Willie Worrell, of Route 1 Mount Olive, discovers the real thing.

staff photo by Caram

## by gregory moll



## Against Georgia Bulldogs

# Holtz expects team to rebound

By Jim Pomeranz

Staff Writer

Can the Wolfpack bounce back after a disappointing 31-14 loss to number two ranked Nebraska? Is the team ready to battle probably the biggest team they will see all season? Will State be able to stop the tough offense of the Georgia Bulldogs?

Those questions and others were put to State head coach Lou Holtz Wednesday afternoon at his weekly press luncheon.

**SPEAKING OF** Nebraska Holtz said, "We found out we were not as good as Nebraska on that particular day." But mistakes fit into the picture of any game and Holtz knows

that. "We also found out we can play with anybody in America if we don't make costly mistakes."

Saturday the Wolfpack travels to Athens to take on the big and tough Georgia Bulldogs. Georgia is the proud owner of a tremendously big offensive line.

"They're the biggest team I've seen," remarked Holtz. "It's the biggest team we will play."

**THIS BIG TEAM** Holtz talks about has an offensive line that ranges from 6'2 to 6'6 in height and 230 to 260 pounds in weight. Its defensive averages 240 pounds across the front line. And in addition to the size, 15 starters return from

the team that beat State last year, 28-22.

"Their offense moves the ball real well," commented the head mentor. "They have great backs in Jimmy Poulos at tailback and Andy Johnson at quarterback. Johnson was the most outstanding player in the conference as a sophomore and runner-up last year."

Holtz said the 199 pound senior signal caller has been picked to be second again this year and will make his presence known in the contest Saturday.

**GEORGIA'S USUAL** attack is on the ground, controlling the ball. Holtz commented that the usual defense would be to stack as many defenders up on the line to stop such an attack. But this year the Bulldogs have

an addition to the team plan.

Gene Washington, at split end, gives them a deep threat that will keep the Pack from concentrating on the powerful running game.

"They say he runs the 100 in 9.5 seconds," Holtz said about the freshman who ran a kickoff back 98 yards against Clemson last week for a touchdown. "When he ran that kickoff back he moved so fast they tried to arrest him for speeding."

**BUT THE PACK** is going to Athens to play football to win

and Holtz has his squad working on it.

"We hope the team will react well against Georgia," he said. "They are a little depressed in practice (which Holtz says is normal after a loss), but they will bounce back."

**STATE WILL TAKE** 64 players this week against the Bulldogs, and Holtz plans to play them all. "The numbers will be no problem," said Holtz. "All we carry down will see some action during the game."

And Holtz means "they will play."

"I hope they play like hell because if they don't, it will be hell," the fiery coach said. "Georgia has 12-14 great players and 30 excellent players, but they can only play 11 at a time."

But is the team ready themselves? "They realize they can't make mistakes," he said. "This week we will find out about our team. We will find out what kind of competitors we are."

## Harriers host UVa, Carolina tomorrow

By Ken Lloyd

Sports Editor

State's cross country team, after splitting a pair of meets on the road the last two weekends, returns home tomorrow when it hosts North Carolina and Virginia in a triangular meet.

The Wolfpack, now 2-1 for the season, may be without the services of its top runner, Jim Wilkins. The senior from Roxboro suffered a tear in his calf muscle in State's last outing, a 15-48 loss to the strong Duke Blue Devils. He finished the race, though, but his status for tomorrow's meet is questionable.

**WITHOUT WILKINS**, the slack for State will be taken up by Scott Weston, Bob Wilson, Bob Ritchie, Dave Senter, Clayton Craig, and Mike Fahey, who will return this weekend after an injury.

"If Wilkins does not run," said Coach Wescott, "we'll have our hands full with Carolina. With him, we are certainly capable of beating them."

For the Heels, who finished fourth in the conference behind State last year, the meet will be the first of the season. They are paced by Tony Waldrop, a sub-four minute miler who finished second in

the 1500 meters at last summer's World University Games, and Mike Garcia, the fastest three-miler in the ACC last year.

**CAROLINA ALSO** boasts a pair of former North Carolina high school state champions in Tom Ward in the mile and Jim Sourtherland in the 880 and cross country.

Virginia, 1-1 going into the meet, lost to Maryland, the defending ACC champion, 15-48 in its opener and defeated Richmond 16-43 in the same race.

In looking back over the first part of the season, Wescott said, "I'm pleased with our performances against Clemson and Appalachian. As the season progresses and we get in shape, I think we are going to jell and do well."

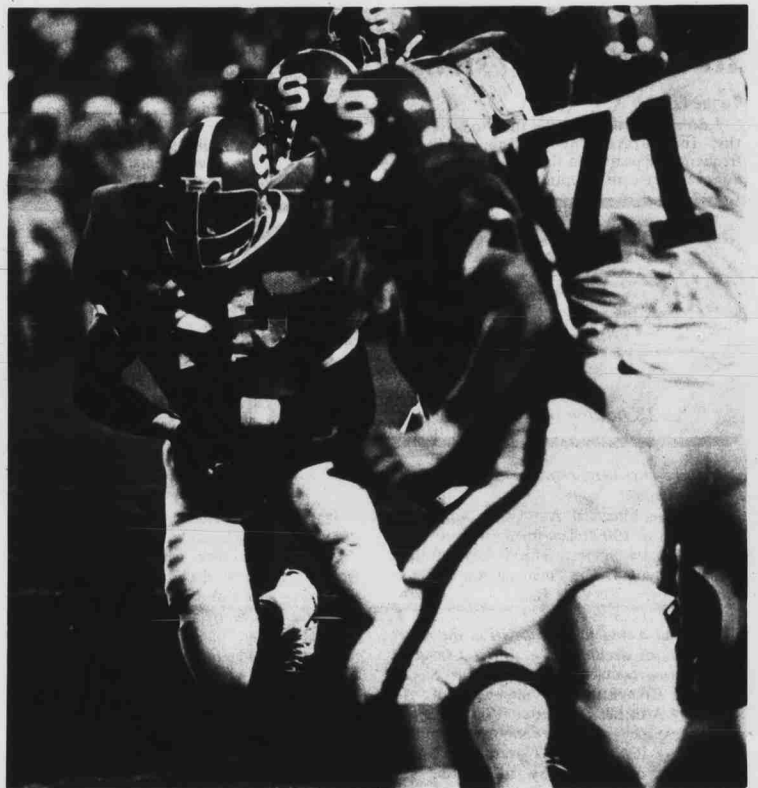
**"WE ARE ANXIOUS** to run on our home course since we have been away three weeks," continued the coach. "We are looking for better times and I am sure the times will be there. I'm certain Carolina will provide the competition we need to do well."

The meet, which gets underway at 11 a.m., will be run on State's five mile course which starts and finishes on the lower intramural field behind Carmichael Gymnasium.



Jim Wilkins

# SPORTS



staff photo by Caram

Roland Hooks (22) and the rest of State's "stallions" will have their work cut out for them against the huge Georgia Bulldogs tomorrow at Athens.

## Women rely on 'intuition' to move up

When this column began no one promised that the male sports writers at the *Technician* would always choose the winners. It has not turned out to be a column only for them, but as you can see, for former coaches and women.

Earle Edwards slipped a little due to the Riggs-King match but Louise Coleman and Mrs. Lou Holtz gained because of it. However the two women in the poll deserve more credit than that—they are picking some good teams."

**ALL COACH EDWARDS** could say after finding out he was tied with a woman was, "You can't beat women's intuition. They've got that distinct advantage over us men."

Mrs. Lou Holtz, though, had a little pressure from the real expert in her family, her husband, in picking the winners. "He told me," she said, "that 'if you can't do any better, you better quit.'" She is certainly glad she did better last week. Hopefully she'll keep up the good work and will be allowed to remain.

Sportscaster Nick Pond helped out the guest column last week and moved them into third place. This week's guest is North Carolina Representative Ike Andrews of the fourth district. He picked the so-called favored teams and should keep the guests near the top.

**SENATOR TED KENNEDY** of Massachusetts was originally scheduled to be the guest this week but he was in committee and could not be reached. I talked with his press secretary and explained what I wanted the

Senator to do, which brought the following reply.

"We're not in the business of picking football winners," he said. "We have a hard enough time picking winners in politics." Now we know what is wrong in Washington.

In last place is Chancellor Caldwell with an 18-13 record, only four games out of first place. It does not worry him, though.

**LAST WEEK TO THE** pleasure of many State fans, Carolina got beat by Maryland. Head coach Bill Dooley claims they were not ready. This week I think they will be and have to go with the Tar Heels.

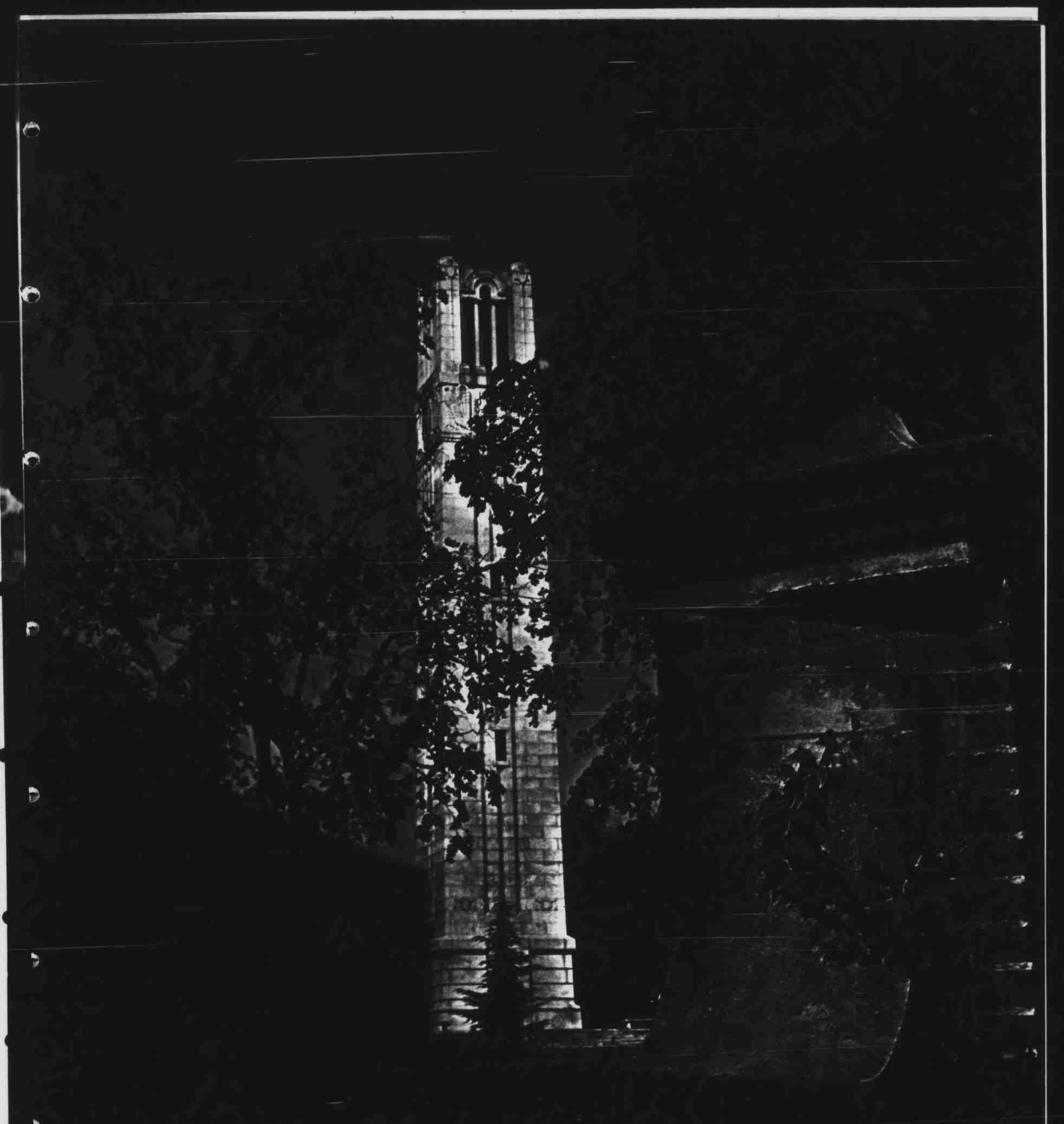
Another game that should and could go either way is the Duke-Virginia battle. The game is in Charlottesville so I am going with the Cavaliers. They looked too good in Carter Stadium not to win.

And, of course, the Wolfpack plays down between the hedges at Georgia. Like the rest of the pollsters I have to pick State on the rebound.

## Pigskin Predictions

with Jim Pomeranz

	Edwards 22-9	Coleman 22-9	Holtz 20-11	Pomeranz 19-12	Deltz 19-12	Lloyd 19-12	Caldwell 18-13	Andrews 21-10
STATE-GEORGIA	State	State	State	State	State	State	State	State
MISSOURI-CAROLINA	Mo.	Mo.	Mo.	UNC	UNC	Mo.	UNC	Mo.
VILLANOVA-MARYLAND	Maryland	Maryland	Maryland	Maryland	Maryland	Maryland	Maryland	Maryland
DUKE-VIRGINIA	Duke	Duke	Duke	Virginia	Duke	Duke	Duke	Duke
CLEMSON-GA.TECH	Ga.Tech	Ga.Tech	Clemson	Ga.Tech	Ga.Tech	Ga.Tech	Ga.Tech	Ga.Tech
WAKE FOREST-RICHMOND	Richmond	Wake	Richmond	Wake	Wake	Richmond	Wake	Wake
NOTRE DAME-PURDUE	ND	ND	ND	ND	ND	ND	ND	ND
AUBURN-TENNESSEE	Tenn	Tenn	Auburn	Tenn	Tenn	Tenn	Auburn	Tenn
OKLAHOMA-SO.CAL	So.Cal	So.Cal	So.Cal	So.Cal	So.Cal	So.Cal	So.Cal	So.Cal
DAVIDSON-APPALACHIAN ST.	Davidson	Davidson	Davidson	ASU	ASU	ASU	ASU	ASU



# attractor

the technician magazine of the arts

# A new beginning

Today's *attractor* marks a new beginning for the *Technician's* magazine of the arts. A new size and better quality paper will give *attractor* a greater identity from the *Technician*. It will be more than the funny looking pages in the middle of Friday's newspaper.

This special inaugural issue celebrates the 84th anniversary of the opening of the University on October 3, 1889. In the intervening years scores of students have left their mark on the campus, yet State is one of a few universities which does not have a widely-known campus heritage and history.

A student comes to this campus of red brick and leaves four years later with little knowledge of the institution's past or heritage. At Chapel Hill most students know of Silent Sam, the statue of a man with a rifle which legend says goes off when a virgin walks by. Supposedly the gun has never been fired. Where is N. C. State's "Silent Sam" or any campus legend? The stories are there, but most are known only by a few aging alumni and faculty members.

Efforts are being made to publish some of the stories about the campus. Alpha Phi Omega is planning a booklet, dealing with many stories which will be given to each entering freshman.

Through the use of rare photographs from University Archives, today's *attractor* gives a brief glimpse of some of the past heritage of this campus. As a beginning, the front page of the first *Technician* is reproduced on the facing page.

This special edition would not have been possible without the help of Maurice Toler, university archivist; Alvin Fountain, editor of the *Technician* in 1923 and professor emeritus; and Buck Lee and the staff of the University Print Shop.

Future *attractors* will be published bimonthly and will include all of the features of the old magazine.

## **attractor**

Technician magazine of the arts, September 28, 1973.

Staff for this issue includes George Panton, Beverly Privette, Ed Caram, Bob Estes, Emil Stewart, Teresa Brown, Terry Schlucter, and Trudy Shepard.

Contributions to the Poet's Corner should be sent to the *Technician*, Box 5698, Raleigh, N.C. 27607.

# TECHNICIAN

N. C. STATE COLLEGE

WEST RALEIGH, N. C.

Vol. I

February 1, 1920

No. 1

## THE STATE COLLEGE MEETING ITS DEMANDS

### EXTENSIVE BUILDING PROGRAM UNDERWAY

#### Addition of Department of Agricultural Engineering, Department of Architecture; Oil Mill with Complete Outfit of Oil Mill Machinery.

The first thing that attracts the attention of even the casual visitor to N. C. State College is the marked increase in the number of students enrolled. The total enrollment for the past fall and this spring is approximately 1,030. The present registration is 836 students and 70 teachers. This represents a decided increase in number of students over any normal year of the College in the past.

To do its duty toward the students committed to its care, and to care adequately for its present number, the College has begun a quite extensive building program, which will be completed as rapidly as possible under the existing conditions.

1. A dissecting laboratory for the Veterinary Department has been completed and is now in use.

2. Two farm cottages for the foremen of the Agronomy and Animal Husbandry farms, respectively, are now under construction and are due to be finished within a month.

3. Plans and specifications have been completed for additions to the Animal Husbandry Building, which will provide an insectary and greenhouse for the Department of Bacteriology.

4. Improvements costing \$20,000 will be made to the Pullen Building. The auditorium will be remodeled and completed so as to correct its acoustics and to provide a seating capacity of about 1,500. In addition to all the conveniences of a modern building of this kind, full provisions will also be made for the safe exit of audiences in case of fire.

5. As soon as the State Architect can complete plans, the construction of dormitories to accommodate about 210 students will begin.

6. The State Architect is preparing plans for an Agricultural Extension Building to cost \$125,000, and construction will begin as soon as these plans are ready.

7. The Board of Trustees has authorized the construction of a suitable building which the oil mills of the State and manufacturers of oil mill machinery have promised to equip, at practically no cost to the College, with a complete outfit of modern oil mill machinery.

8. The Woodshop, recently damaged by

fire, will be replaced at once by better construction, and equipment of machinery and tools that will be better and more modern than those lost.

In addition to the above extensive building program, which is well underway, a well-equipped Department of Agricultural Engineering and Highway Engineering have been added during the present session, and the Department of Vocational Education has been greatly enlarged.

A Department of Architecture is in process of organization and will be ready for students next session.

New equipment worth \$25,000 has been installed in the Textile Department, making it easily the best textile school in the South and equal to any in the country.

### Electrical Engineering Society

#### Notes

(a la Oliver Ramsaur)

The Society is at present busily engaged in the work of planning and getting into shape for the electrical show to be staged in the Engineering Building some time in March. Only once before in the history of the College has such a show been given—that in the spring of 1917, which was technically and financially a great success. But the Society is expecting to give this year a show which shall far surpass even that, at least in make-up. As it is one of the first of its kind here, it requires much new material and make-ready, and the greater part of this work is being done by the members of the Society themselves.

It is intended that this show shall be interesting as well as instructive and educational, and for this reason many "stunts" are being prepared. One will see there the miracle of frying eggs in a pan, not over a stove, but over a platter of real ice; one will see there a real perpetual motion machine in operation, a top which not only spins indefinitely, but pulls other machinery as well. There, too, you will see a million volts of electricity taken through the human body. And along with these and many other stunts will go instructive exhibits and demonstrations.

Much new electrical machinery and apparatus is being borrowed from the manufacturers especially for this show, and we hope that the students as well as outsiders will avail themselves the opportunity of seeing all this electrical wizardry and demonstration.

OLIVER RAMSAUR, '20.

A freshman with an empty bottle labeled FeSO<sub>4</sub> glanced hurriedly into his book and yelled, "Say, Professor, where can I get some more of this ferocious sulphate?"

### Agricultural Club Starts Work of New Year

The Agricultural Club held its first meeting of 1920 on January 14, with President E. P. Welch presiding and E. B. Morrow as recording secretary.

Dr. Wolfe was the main speaker of the evening, and in his usual manner gave a very interesting and instructive talk. Dr. Wolfe mentioned the fact that North Carolina now ranked as fourth in the agricultural world, and could be called a rich State. But with all this advancement, North Carolina has more money invested in automobiles in one year than she has spent for education in the last hundred years.

Dr. Wolfe also mentioned in his talk that he could not see why any student taking Agriculture should not be an active member of the Agricultural Club. This is true of all courses; every man should support his technical club or society. It needs your support, and will be only what you make it.

### Naughty Cupid!

"O woman in your hour of ease, uncertain, coy, and hard to please."

Our well-known and popular quarterback has become a disciple of the man who popped the foregoing lines. Richard, so it has been rumored, was a veritable Romeo last fall and sang as gayly as a lark. Since the holidays, however, he's no so spry, and 'tis whispered that his Juliet has—anyhow, Richard, we're all as sorry as can be and wish to extend our sympathy. You know, Old Top, that "'Tis better to have loved and lost than never to have loved at all."

A. L. Monroe, with an attempt at his former gay and hearty grin, will tell you all about the "rag, a bone and a hank o' hair" stuff. Wasn't it awful that it had to come right during the holidays? Looks as though she might have waited until you were safe at school. Ah, well, Old Top, such is life!

It is not so bad to pick on the hardened and experienced males, but for the fair sex to trifle with the affections of the uninitiated is too much. It is brutal and fiendish, to say the least. The latest victim of this coquetry is Jimmie Compton, who unsuspectingly lived in an ecstasy of sublime and tender emotions until this blissful state of mind was rudely shattered by the news that may mean a wrecked life. We sincerely hope that he recovers, and in the meantime would mention, "If at first you don't succeed, . . ."

### Verse Libre

Working, thinking all the day  
And half the livelong night;  
Working with a zeal indeed  
That doesn't take the night.  
Now if you could listen  
You'd hear them crying, "Alas! Alack!  
Here's the Ace, King, Queen and ten—  
All I missed was the Jack!"

—G. W. Tiencken.

# 84 years of campus change

by Trudy Shepard

The rules have changed a little in 84 years ("leaving the college after eleven o'clock at night will carry the penalty of expulsion"), and fees are somewhat higher ("lodging in college dormitory, room, furniture, bedding, etc., \$10 per session").

And in 1889, the landscape looked a little different. Holladay Hall was "out in the woods" and there was a 60-acre farm where the Coliseum now stands.

The University laundry service was operated by a different group—the local penitentiary. Facilities? There was no running water in Holladay Hall. Boys had to carry their own water from a well about 50 feet away. The first football field was marked off with a plow and a ditch served as the goal line.

And entrance requirements today are somewhat stiffer than they were in 1889 when N. C. State opened its doors as A&M College. "Applicants must be at least 14 years of age, must furnish evidence of good moral character and physical development, must be able to read and write ordinary English intelligently and must be familiar with simple arithmetic, including the practical rules of the same through fractions, and have a fair knowledge of geography and state history," were the original requirements.

But young people are young, no matter what era. State students, past and present, have belonged to, and do belong to, that "world unto itself—the University."

Fun—the eternal pursuit of college students—always has been accomplished by var-

ious modes of behavior. The term "fun" depended on which end of the water bucket one found himself. The College's early years found students taking delight in pouring buckets of water on "unsuspecting" cadets. Also students used to roll snowballs off the Pullen Road bridge into smoke stacks of passing steam locomotives.

Rivalry between dormitories was often keen, and occasionally students settled their differences in a rough-house "free-for-all" or by individual combat. Waterfights and shouting contests were popular as means of "settling differences" (and obliterating boredom). Agricultural students of the late 19th century were, due to their "considerable field practice, sometimes hard to control." They would throw dirt clods, or "burn one another up" painfully with Irish potatoes or green apples.

President Alexander Q. Holladay "strongly disapproved of whistling indoors," so naturally "it was great sport to whistle in the halls." B. S. Skinner, superintendent of gardens and farms, was the victim of jokers who would let his pigs out of their pen, and then catch them and put them back.

At one time or another, a bear was locked in Pullen Hall by students tired of compulsory chapel during President Riddick's administration; a blind mule was tied on Watauga's top floor; and a cow was put on the roof of the old Mechanical Building.

Student unrest had its beginnings in the spring of 1895. Complaints were made about the "mammoth" board bill of \$8 a month. The story goes that a group of students were eating at local boarding houses for much less than the amount charged in the college dining hall.

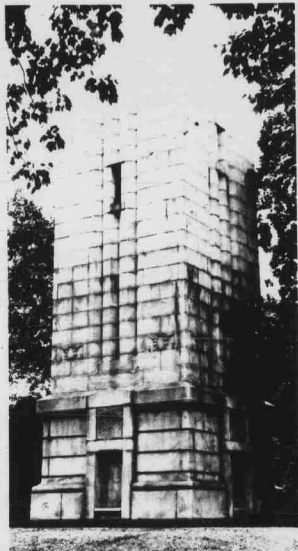
During President Winston's administration, A&M College was, to an extent, comparable to a military institution. "Uniforms, inspections, and demerits were the order of the day." Seniors were given few privileges, and freshmen practically none.

"In the fall of 1905, the seniors, many of whom had returned to the College early to take the underclassmen in hand, were dismayed to find that all students, seniors and freshmen alike, were to be held in check by uniform regulations." This did not set very well with the seniors, so they sent a delegation to Dr. Winston, requesting the usual senior privileges. When the president was told of the meeting, he "threatened to expel the delegation for insubordination if they didn't peaceably conform to military regulations."

The next move was an off-campus meeting by seniors in Pullen Park. They voted almost unanimously to strike—"to go home and remain there until the 'powers' weakened."

The "powers" didn't weaken, and the College reopened

(continued on page 10)



♣ The Memorial Tower stood like this for six years after the Great Depression halted construction in 1929.





# Campus landmarks in 1912

by A. M. Fountain  
Editor, 1922-1923

In 1912, only three streets on campus had names, and none of them had pavement. The walkways were mostly where the first few walkers decided to make the closest way from one building to another. The buildings were few, the walkways likewise.

As indicated on the map made by the junior Civil Engineers in May, 1912, the three streets with the alliterative names were Pullen Drive, Peele Drive, and Polk Drive. The first of these, Pullen, was in much the same position as it is now, for the good reason that it was the boundary line between the college property and the park, as it still is. Much has been made of the fact that this drive was measured off by Mr. Pullen himself, with the well-recorded history of the mule and the plow, with the donor walking along in front.

But the drive could not go across the deep cut in the railroad at that point, many years before the building of the bridge; it therefore made a curve back toward Hillsborough, in front of the brand-new YMCA Building (now King Religious Center) and the equally new dining hall, long since named for Senator Augustus Leazar, author of the bill to establish the college. This road, whether or not still called "Pullen," on its reverse loop, went straight by the Dining Hall and on into Hillsborough Street, constituting a major entrance to the campus. Many years later, the Textile Building was enlarged by an extension to the eastward, cutting off the street entrance and forcing traffic to make a sharp turn between Primrose Hall and Pullen Hall, which stood where the parking area of Peele Hall now is. Ultimately, vehicular traffic was to be cut off entirely from this drive, except from the YMCA toward the railroad.

Peele Drive made a graceful entrance-curve, somewhat eastward from the present entrance at Primrose, then turned sharply to the east by the end of



In the 1920's the homecoming parade became a major attraction in downtown Raleigh. Here a dragon weaves its way down Fayetteville Street.

Holladay, to join the prong which actually passed through the archway entrance to Holladay, now limited to pedestrian traffic. This archway may now well be too narrow for some of the wide-track cars common to the times.

Polk Drive was a very short thoroughfare, going from Hillsborough straight to the front of Patterson. This avenue took care of all walking and riding traffic for many years. Just finished was another drive, as yet unnamed, going from Hillsborough straight in south, in front of the new 1911 Building, and then just fading out as did its function as it went to the south, toward the railroad. Even then, it constituted a major entrance to the campus, as it joined Hillsborough at what is now the twin parking lot for Winston and 1911 Buildings.

Especially noteworthy is the fact that the railroad could be crossed only at grade level, no overpasses or underpasses being provided for many years yet to come. The main one of these was the crossing at about the Bureau of Mines Building, presently a part of the Nuclear Science Department. Since no buildings on the south side of the railroad were yet built, except for the comparatively new barns, little need existed for crossing the roadbed. Stu-

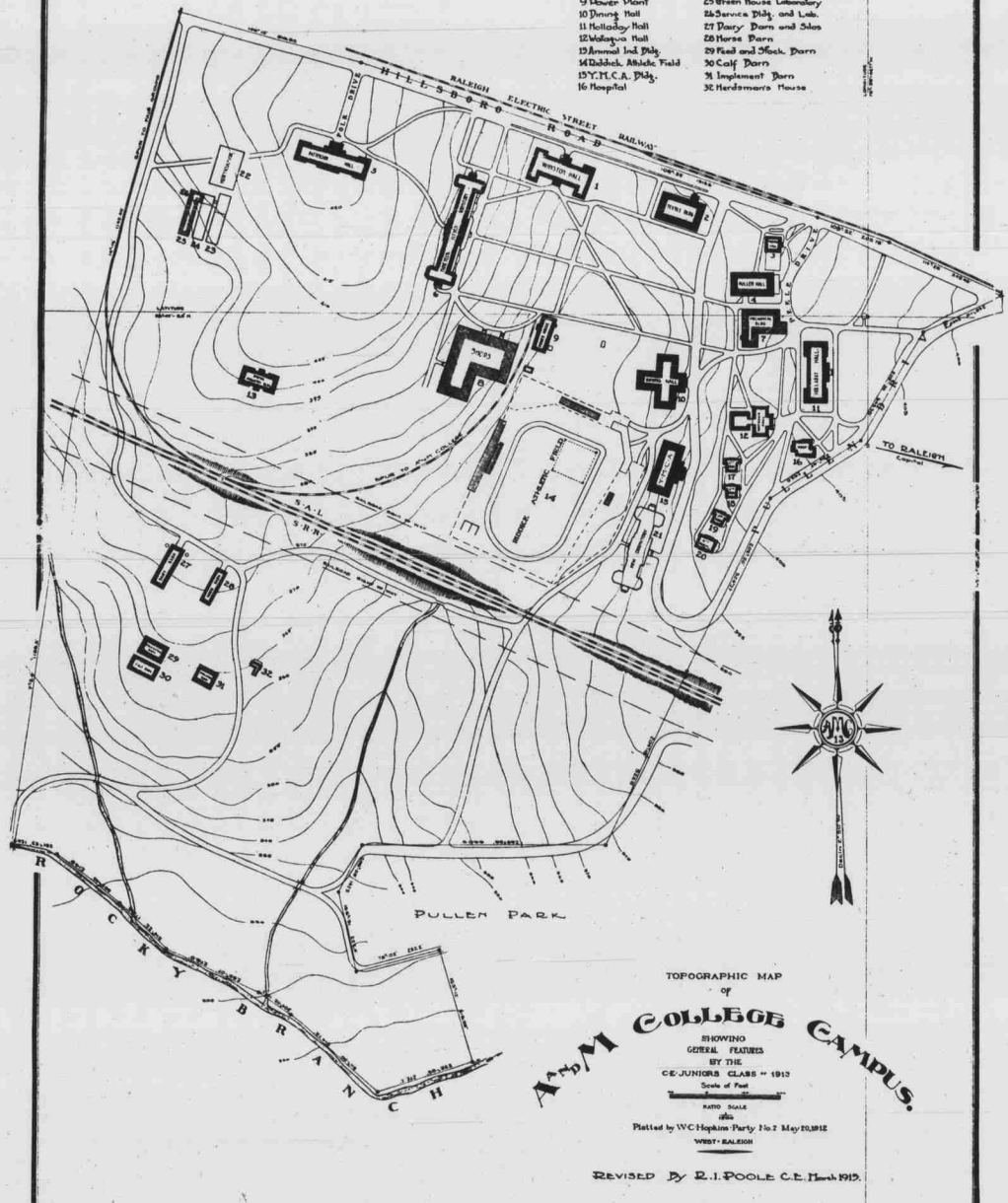
dents out for a stroll simply crossed at the nearest grade level. Often those wishing to get to the city by the nearest route went to the station, and used its straight-line route to the station, now a part of the Dillon Supply empire. Many became quite adept at stepping the crossties, too close together for one pace, too far apart to be taken two-at-a-time. Others became equally adept at walking the rails themselves; but most less venturesome individuals took the narrow walkway alongside the rails, a way kept smooth by rail service men and hoboes.

Just to the south of Holladay is the Infirmary Building, now much remodeled and in use by the Alumni Association. To the south of Watauga are the so-called small dormitories, First, Second, Third, and Fourth, all of which have been torn away to make space for Brooks Hall, first used as the library, but presently main building of the School of Design. To the south of the YMCA is traced in the space many years later developed into Syme Hall, supposedly a replica of 1911, but shortened by smaller sections between the center and end sections.

Constantly surprising to the present reader is the complete absence of major

(continued on page 16)

- 2 Textile Bldg.
- 3 Pharmacy Hall
- 4 Pullen Hall
- 5 Katterness Hall
- 6 1911 Dormitory
- 7 Mechanical Bldg.
- 8 Shops
- 9 Power Plant
- 10 Dining Hall
- 11 Halladay Hall
- 12 Magazine Hall
- 13 Animal Lab. Bldg.
- 14 Ditch, Athletic Field
- 15 Y.H.C.A. Bldg.
- 16 Hospital
- 18 Second Barn.
- 19 Third Barn.
- 20 Fourth Barn.
- 21 New Barnway (Under Const.)
- 22 Horticulture Bldg. (Proposed)
- 23 Plant Collection (Proposed)
- 24 Green House Lab. (Proposed)
- 25 Green House Laboratory
- 26 Service Bldg. and Lab.
- 27 Dairy Barn and Silo
- 28 Horse Barn
- 29 Feed and Stock Barn
- 30 Calf Barn
- 31 Implement Barn
- 32 Herdsmans House



TOPOGRAPHIC MAP  
 OF  
**WAKE FOREST COLLEGE CAMPUS.**  
 SHOWING  
 GENERAL FEATURES  
 BY THE  
 CE JUNIORS CLASS - 1913  
 Scale of Feet  
 RATIO SCALE  
 1" = 100'  
 Plotted by W.C. Hopkins Party No. 7 May 1912  
 WEST - RALEIGH  
 REVISED BY R. I. POOLE C.E. March 1915

The junior Class of 1913 in Civil Engineering drew this topographical map of the campus in 1912. The map was revised by R. I. Poole in March 1915. The street car tracks of the Raleigh Electric Street Railway run down Hillsboro Road. For a story on the members of the Class of 1913 that drew this map, see page 8.

# Sullivan draws map

by A.M. Fountain  
Editor, 1922-1923

As a student in Civil Engineering, Class of 1913, Bill Sullivan may have surveyed many times the spot where now stands the building named for him, though at the time of his school days here, that area was useful for farm operations only. As a Junior in the spring of 1912, Sullivan was one of a party which undertook a topographic mapping project of the academically active part of the campus as it stood at that time.

Perhaps at no other time in history, was the profession of Civil Engineer held in such high regard. This great respect came because of the impact of improved highway construction, as forced upon the nation by the advent of the automobile; because of the Panama Canal, whose construction was America's greatest undertaking of the type until this time; because of the great opportunities that still lay with the railroads of the nation; and, especially, because of the demand for engineers in the developing of the recently acquired Philippine Islands.

Naturally, therefore, the Junior Civils were happy to undertake a survey of the campus as a part of their regular assignment. The class was composed of fifteen men, providing easy division into groups of three or five who should work together as a professional surveying party for the map which was to appear in college publications for many years thereafter. A large edition of the one printed here is now in the office of J. McCree Smith, Director of Physical Plant (see page 7).

The class was composed of Grady Lee Bain, Greensboro; Paul Dexter Davis, Fremont; Cicero Fred Gore, Wilmington; William Henry Griffin, Jr., Goldsboro; Felix Stanton Hales, Wilson; Thomas Jasper Hewitt, Wilmington; Walter Cleary Hopkins, Newport News, Virginia; Douglas Creelman Jeffrey, Raleigh; Sir Keith Keller, Lilesville; Morris Liferock, Yonkers, New York; John-Ivan McCallum, Charlotte; Lewis Larkins Merritt, Wilmington; William Dudley Simpson, Raleigh; Francis Clark Smith, New Bern; and William Henry Sullivan, Greensboro. No doubt, these men have had many sons and grandsons who have attended North Carolina State since that time. Some may even be here now.

Noteworthy is the small number of out-of-state students, not because of excessive additional expense, though free tuition was available to special students qualifying as one from each county, but more probably because of the inconvenience and expense of travel. Liferock, who listed his address as Yonkers, New York, was actually a native of one of the Near Eastern countries and had a name difficult to spell or to understand in English. He simplified it into just

"Liferock," with a simple first name. The group immediately responsible for the map here used was headed by Walter C. Hopkins, the Virginia student whose name may be seen dimly as a part of the legend at the bottom of the map. Whether young Sullivan was a member of this particular group is not known at this time. Though he had a very high scholastic record, he did not return for his senior year, but established his own contracting business in his home town, and became a civic leader there, as well as official in many activities of the Alumni Association at his Alma Mater.

In those days, the bachelor's degree was terminal for most of those so fortunate as to attend college at all; but Felix Hales, of Wilson, went immediately to Cornell University, where he was awarded the degree of Civil Engineer, 1916. Liferock, one of the most brilliant mathematicians of the class, attached himself to the Naval Observatory in Washington, where he became an expert astronomer. Many years later, after retirement, he took residence in Raleigh, where people will remember that every week or two, he would announce some peculiar astronomical phenomenon occurring at the time. He died in Rex Hospital comparatively unknown. Because of his researches and publications, N.C. State had awarded him the professional degree of Civil Engineer, 1917. Meanwhile, the other professional Civil Engineer, Hales, of Wilson, was doing a long career as a member of the engineering staff of the New York and St. Louis Railway.

These and many other men illustrate the necessity of going outside North Carolina for the best opportunities in professional engineering, a condition that has vastly improved since that time, but is still around to some extent. Simpson, of Raleigh, did a short service as assistant city engineer here, but soon removed to



## Campus (e



## erial 1920

This campus aerial in 1920 shows many of the features described in the 1912 map (see page 7). The State Fairgrounds which were located along the street from Patterson Hall are in the upper left corner of the photograph. The campus orchards were in the area now occupied by the brickyard.

tersburg, Virginia, for private practice before taking employment with the Seaboard Railroad at Norfolk and later at Tampa, Florida. Group leader Hopkins, already out of the state, took employment with the Maryland Highway Commission as Bridge Engineer. Keith Keller, who actually received his degree a year later, served in the maintenance department of the railroad at Yoakum, Texas, before coming back east for work with Seaboard, Jacksonville, Florida; but ultimately he became a engineer of construction for the Missouri, Kansas, and Texas lines, familiarly known as MKT, or simply as "Katy" to thousands of residents in the Midwest.

Among the more romanticized careers was that of Raleigh's son Jeffrey, who was mining engineer for the Niagara Gypsum Company, upstate New York, before serving with the 408th

Engineers Depot Detachment, Camp Meade, Maryland, during the war. Afterward, he did a hitch with the Curtis Airplane folks at Buffalo, but gave it all up to become an automobile dealer in Williamsville, suburb of Buffalo.

But not all members of the class went outside the state for employment. Lewis Merritt did service with the U.S. Engineering Department in his home town of Wilmington and in Charleston, before returning to Wilmington as Assistant Superintendent of the U.S. Emergency Fleet Corporation. T.J. Hewitt likewise served in the U.S. Engineering Department in his hometown of New Bern before becoming Junior Engineer with the War Department at Norfolk, after which time he was an ensign on the USS *Munson* during the War. He then went back to the U.S.

(continued on page 13)



South Dormitory, early in this century before an addition was built, is today known as Syme Residence Hall. In the background are the College's barns on the present Coliseum site.

## The 'Thug Movement' of 1905

(Continued from page 4)

minus a senior class. About a month passed, and the administration finally gave in. The Senior Strike (alias "Thug Movement"—to quote President Winston) ended.

In the catalog of 1915-16, student privileges, were laid down. "Seniors are free to leave the campus during weekdays," but other students were granted leave as follows: juniors were allowed Friday, Saturday, and Sunday nights; sophomores, Saturday and Sunday nights; and, freshmen, Sunday nights."

Troublemakers were treated strictly. "Students who persist in grave misconduct will not be permitted to remain in the college. The indolent and vicious are not wanted, will not be tolerated and had best not attempt to enter where a student must work or live. There is no room in our system for idlers."

Students may not have changed much, but their surroundings have. A&M College began as one all-purpose building (bricks and labor being provided by the state penitentiary).

College opened in October, 1889, postponed by a "fire of unknown origin." The fire damaged the nearly completed Main Building, Holladay Hall. Rumor hinted the fire "was started by the disturbed spirits of three persons buried near the east side of the building." Holladay Hall is either on or near "an old family burial ground." According to a note from the trustees meeting for November 9, 1887, "The chairman was requested to see the parties interested in the buried dead on the college grounds with a view of having the bodies removed; otherwise to have them disinterred and buried elsewhere."

Leazar Hall is the scene of another recovered body. The first barn used to stand where Leazar is now. When the foundations for the barn were being dug, a soldier's skeleton was found.

State's first building, Holladay, was space for administrative offices, dining hall, classroom, and dormitory.

"Excepting a small barn and the buildings

on the Experiment Station farm nearby, it housed all college activities during the school year, 1889-90. The workshop, kitchen, dining-hall, storeroom and gymnasium were in the basement; offices, classrooms, and the library were on the first floor. The second and third floors were fitted out as dormitories."

The penitentiary got into the act again, with the Athletic Field. Convicts graded Red Field in Pullen Park around 1897 for an athletic field.

Despite power shortages, descriptions of present dormitories sound better than the dwellings of some students in the summer of 1913. All rooms in the dormitories had already been reserved, so the College had to construct "temporary wooden buildings" for additional students. "These 'shacks,' though sanitary and comfortable, were unsightly. Because of crowded conditions they remained in use for several years."

There has to be a beginning for everything. These are State's . . .

# The founding of A & M in 1889

Excerpts from *Symposium On The A. M. C.* by Walter Clark, Jr. which appeared in the 1903 edition of the *Agromeck*, the first that was published. Clark was a member of the first staff which also included O. Max Gardner, the first Governor of North Carolina to attend State.

**A**t last on Oct. 3, 1889, the North Carolina College of Agriculture and Mechanic Arts was formally opened for students. The College at that time consisted of only one brick building and a corps of five instructors, appointed by the Board of Trustees. Too much honor cannot be accorded this band of earnest men who as directors and as faculty went forward so quietly, but faithfully, with small capital and amid many discouragements, to build up a college whose scope of work and whose purposes were alike new to our people.

To the call for students about 50 responded. A majority of these were farmers or sons of farmers. The college commenced growing from its very birth; not too rapidly, but slowly, surely increasing year by year. When found absolutely necessary, money for buildings and apparatus has been appropriated by the Legislature from time to time. The college met with opposition from some quarters, as it was thought to be antagonistic to the University and the other colleges of the state. But as it pursued its way it became evident that it did not antagonize other colleges, but simply supplied what could not be obtained there. The men who were guiding it held it strictly to its proper sphere. It stood then, it has always stood, for strictly technical education.

This fact was at last clearly recognized, and all opposition to the institution died a natural death.

As time passed students were graduated with the degree of Bachelor of Science and Bachelor of Engineering. These young men were eagerly employed by different industrial concerns in this and other states. The young graduates stood the test of commercial life and made their marks as men trained and worthy. The eyes of the people were opened. They saw the need over the whole country for educated industrial workers. They saw the harvest reaped by men able to do the world's industrial work. They saw the great opportunity presented to their sons and eagerly took advantage of it. Since that time the College has been crowded and its capacity taxed to the uttermost. To meet this growth, great expansion became necessary. The corps of five teachers in a few years became a faculty of eleven professors, assisted by nineteen subordinate instructors; where one building stood, thirteen now proudly lift their heads, among them some of the best in the state. The one first constructed—the main building, it is called, being about the center of the group—is still used for classrooms, laboratories, and the upper floors for dormitories. Primrose Hall (named in honor of Mr. W. S. Primrose, one of the founders of the institution, whose wise counsels and fidelity have contributed so greatly to its success) is a two-story building with modern appliances, containing the Horticultural department. This building with its greenhouses adds much to the beauty of a very attractive campus.

(continued on page 12)



Following World War II, quonset huts were erected in front of 1911 Building to house the influx of veterans returning to campus.

# A lawyer can't run a cotton mill

(continued from page 11)

At present two buildings, which will add much to the College, in appearance and usefulness, are nearing completion. The new Watauga, which is a very handsome, well-equipped dormitory, rises from the ashes of the old which was burned on November 30, 1901. The fire originated in the culinary department, which then occupied the lower floor, and some of the students barely escaped with their lives, losing all their possessions. A few instances of heroism connected with this fire may well be mentioned here: Some students, awakened by the flames, went from room to room, rousing the inmates and dragging them from their beds, where they would soon have been suffocated by the heat and the smoke. These young men thus saved many lives, while all their worldly goods fell prey to the flames.

The object is now, as it has always been in the past, to conduct an institution in which young men of character, energy, and ambition may fit themselves for useful and honorable work in any line of industry in which training and skill are requisite to success. It is intended to train farmers, mechanics, engineers, architects, draughtsmen, machinists, electricians, miners, metallurgists, chemists, mill workers, manufacturers, stock raisers, fruit growers, truckers, and dairy men, by giving them not only a liberal but a special education, with such manual and mental training as will qualify them for their future work.

It offers them practical and technical education in agriculture, horticulture, animal industry, civil engineering, mechanical engineering, metallurgy, chemistry, dyeing, textile industry, and architecture. It also offers practical training in carpentry, wood turning, blacksmithing, machinery work, mill work, boiler tending and road building. Although the leading purpose of the College is thus to furnish technical and practical instruction, yet other subjects essential to a liberal education are not omitted.

How can we judge of the future except by the past? With a glorious past we must and shall expect a glorious future. We can see that Webster said of Massachusetts, "the past, indeed, is secure." Not only can we say that the past is secure, but also reasonably say that the future is also secure. Our institution has had a short but honorable past, marked from the beginning by a steady and promising growth, but we cannot expect and do not wish a phenomenal growth such as that achieved by the University of Michigan, which in a few decades after its establishment has three thousand students, for "what comes easy goes easy." In Michigan, at the founding of the University, there were only one or two poorly equipped colleges, and the founding of the University, with a princely endowment, naturally attracted to it all those young men in the state who had hitherto been compelled to

go to other states for a higher education.

The A&M was not so fortunate. It was founded in a state where there are scores of other well-equipped colleges and schools. There were thousands of graduates from these colleges who naturally wished their sons to attend the college from which they had their diplomas. The revenues are so small that the college cannot be run on the broad basis which was intended. In spite of these difficulties and disadvantages, which have to some extent retarded the progress of the A&M, we have good reasons to believe the College has a great future before it. The reasons are:

1. The A&M is free. It is under no obligation, as are denominational colleges, to maintain and observe creeds and confessions. It stands for morality and right, and high living, but not of course, for sectarianism.

2. The second ground for hope of a great future for the A&M is the nature and extent of work it is now doing for the state. North Carolina is becoming a great manufacturing state. Already it has more cotton mills than any other state in the Union. We must have men to run our cotton mills, our factories and our other industries, and the A&M is furnishing these men. It gives a boy a practical and technical education, enabling him to become a "great master of industry" if he has the ambition. What kind of boys are receiving this education? Not the rich men's sons who wish to enter some "honorable profession," but mainly poor boys, among the best, the manliest boys in the state, for the expenses are reduced to the smallest possible minimum, and it is in reach of all. Since we will be a manufacturing state, it is these boys on whom the future of the state depends.

The pettifogging lawyer cannot run a cotton mill; the doctor cannot harness the great water power of this state; the politician cannot design railroads, bridges, saw mills, etc. The men for this work have been furnished by other states, but it now remains for the A&M graduate to take these places. The college is so bound up with the best life of the state that we must grow with its growth and strengthen with its strength. The new knowledge taught at the A&M is so important and practical, and contributes so directly "to the relief of man's estate," that the people of North Carolina are bound to hold in appreciation and honor the agencies by which it has been brought home to them.

Every student and alumnus of this institution can rest assured that a great future, commensurate with the greatness of the state, awaits their Alma Mater. She commands the elements that command success. All hail to the glad day which is dawning, and may each student feel that on him lies the responsibility of hastening the happy hour when the Agricultural and Mechanical College of North Carolina shall stand at the head of all Southern colleges.





The growing student interest in the ecology movement resulted in the cancellation of the annual Neuse River Derby. The event began in 1967 as a project in a design class to see whether a craft could be built for under \$5 that would float down the Neuse. The last Derby was in 1970 — the event had grown too large and the litter of beer cans and destroyed crafts marred the river. Thus the Derby ended but not before it had become a spring tradition and had been reported in a 1968 issue of *True Magazine*.

## Class of 1913 goes to war

(continued from page 9)

Engineers in Wilmington. Paul D. Davis stayed with the telephone company in Raleigh and Durham for all his early years. And Cicero Gore did even longer with the Highway Department, Halifax County, out from Weldon. William Henry Griffin was with the family business, coal and wood, Goldsboro, except for a period with the Headquarters Company, Replacement Regiment, American Expeditionary Forces during the War.

And Frank Clark Smith did private practice in Florida, but returned to North Carolina with the opening of the State Highway Commission. After serving as Sergeant in Company "A" 534th Engineers in the War, he served briefly with the Highway Commission in the sleepy little town of Jacksonville,

long before Camp Lejeune came along. He was glad to get away to the bigger city of Clinton to become Resident Engineer for the Commission.

So, there is a brief picture of the people who made the map, and perhaps something of what the map may have done to them. By 1912, the campus had spread far enough west that the space could not be covered in one draft; so the fellows decided to use the westward railroad spur on campus as the boundary in that direction. One recalls that the campus portion of the railroad was in the form of a horseshoe, with the closed end joining to and becoming a part of the northern tracks. The eastern line curved gracefully around what is now Riddick Lab Building to the power plant, which stood

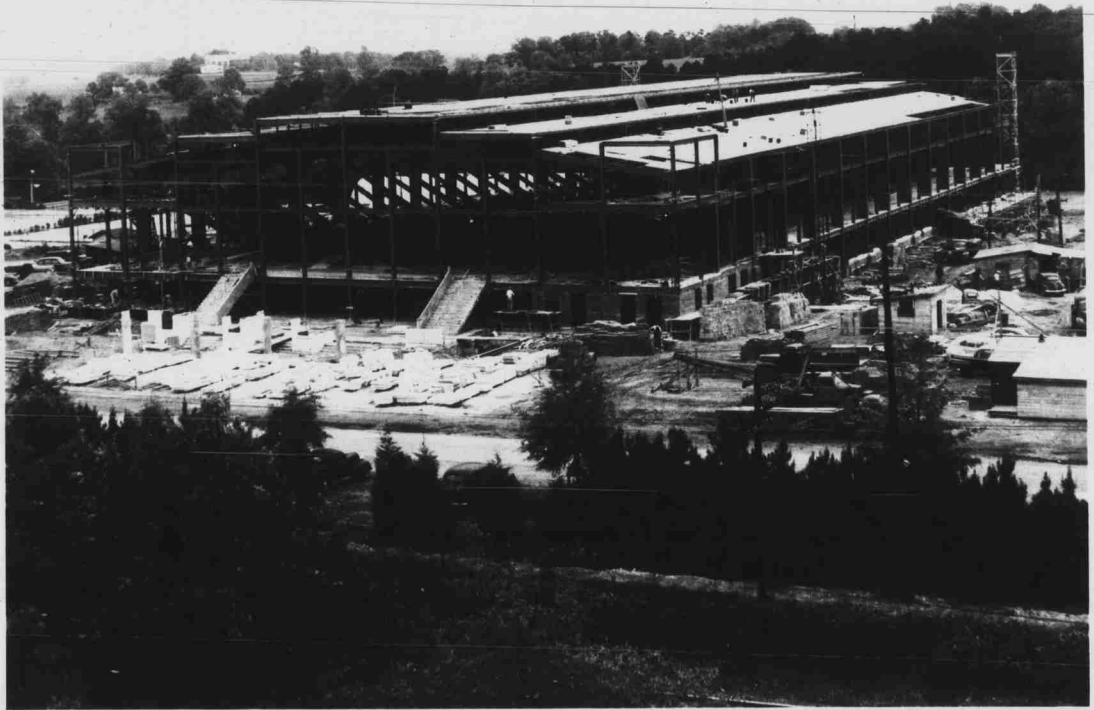
where Poe Hall now is. The westward leg curved likewise around what is now Broughton Hall and the Bureau of Mines Building, across the edge of the present Brickyard, across the grade of Hillsborough Street where the high-rise library now stands, and thus into the fairgrounds just west of the present Pogue Street.

The north and south wings of 1911 Building were so new, as were Leazar Hall and YMCA, that they hardly made a place on the map, possibly only then by the revision made some time later. And South Dormitory, later named for Alumnus Syme (pronounced *Sim*) was in the planning stage only. Contour lines, the pride of any fledgling surveyor, were a main purpose of the map, and are useful even to this day.



These are the first prize winners in the 1939 style show. The show was held on campus and the garments were made from fabrics designed and woven by students in the Textile School. The clothes were modeled by coeds from North Carolina colleges.

Following World War II, construction began again on Reynolds Coliseum. The steel framework was started before the war but construction was stopped due to the war. The building was completed in 1949.





The Wolfpack breaks through a rendition of the wolf in Riddick Stadium.



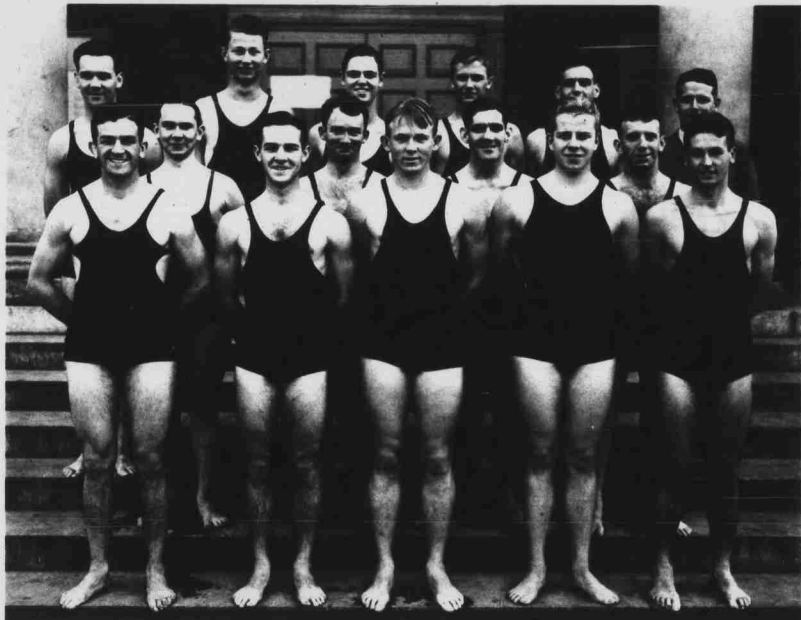
In the 1930's old Riddick Stadium was usually full, but the Wolfpack seldom had a winning season.

## Wolfpack sports glimpses



Pushball was once a popular sport among students. Here is a game in front of Tompkins Hall.

In their tank suits, State's first swim team poses for a group portrait. Members of the 1932 team included Moorman, Carter, Shepherd, Dinklespiel, Stonebanks, Leforth, Shinn, Kuhn, Cone, Leinster, Bagley, Campbell, Woodley, Streb, and Murray.



# State not a one horse college

(continued from page 6)

vehicular routes and parking areas, simply because there were no vehicles except an occasional wagon; the routes marked on the map were used almost entirely by pedestrians. The entry to the athletic field is a good example of this condition. Once inside the general area, the walker simply went at random across the cleared surface. The shaded areas to the north and west of the field are wooden bleachers used for football audiences, while the covered area at the northeastern corner is for baseball attendants, directly behind home plate. This latter arrangement was later changed, to place home plate at the northwestern corner, possibly to use the same bleachers more effectively, as well as to keep the batter from having to face the afternoon sun.

The railroad service spurs make a graceful U-shaped design, taking onto the main road bed just behind what is now Mann and Broughton Halls, the eastern branch serving the power plant, where Poe Hall now stands, and the western branch crossing the area now covered by much of the "Brickyard," and leading through the library tower space and across Hillsborough Street just to the west of Pogue and thus into the fairgrounds north of Hillsborough.

The route between the YMCA and the athletic field was eliminated later, and the steep bluff graded down to become a part of the field and its seating space. The frequency of the contour lines indicate the comparatively steep gradients in many parts of the campus. Among other things, they indicate that Riddick Field was once the bed of a small stream that rose near Hillsborough Street at Winston Hall, and flowed into Rocky Branch, which in turn became part of the lake that is indicated now only by the alluvial island used by picnickers. Much of the soil that filled the lake came from the construction and farm work in the areas surrounding the stream through the campus.

Not until well after World War One did the campus take any serious steps toward landscaping and beautification. An incident well remembered by older members of the staff was that one when a particularly valuable part of the campus near Holladay Hall was set aside for a flower bed. But the students insisted on walking straight across it, as they had always done. Warnings from the administration went heedless. The folks there took revenge by hauling a great wagon load of manure from the horse barn, and placing it at a depth of

several inches all across the violated area. At last a solution seemed to have been found. But it produced some typical humor when some wag prepared a large sign for a nearby tree, which was worded, "No one shall call this a one-horse college."

The name of President Brooks was forged underneath. He was highly amused, and considered the whole incident as closed, to the satisfaction of everybody.



In the spring of 1970 over 6,000 students marched down Hillsborough Street to protest the U.S. invasion of Cambodia. The first campus demonstration occurred in 1905. See page 4.