

The Technician

Published Weekly by the Students of N. C. State College of Agriculture and Engineering

Vol. 6, No. 6

STATE COLLEGE STATION, RALEIGH, N. C., OCTOBER 16, 1925

Single Copy, 10c

Carolina Defeats State In Big Fair Week Classic

AGRICULTURAL STUDENTS' FAIR MOST SUCCESSFUL EVER HELD

Featured by Parade of Gay Floats and Clowns, Fair Comes to Close Friday; Animal Husbandry Have Best Float.

Friday night brought to a close the fifth annual State College Agricultural Students' Fair. Starting Tuesday with the usual parade, and lasting for three days, the fair has been pronounced to be the most successful yet held. Besides the parade, other important phases of the fair were the exhibits put on by individuals and the various departments in the school of Agriculture, and the judging contests which were open to all students in this school.

The Students' Fair is directly responsible for the success of the State Fair parade. Gayly decorated floats added a charm and variety to what would otherwise have been a rather dull affair. Several clowns amused the crowds which lined Fayetteville street, and gave the final touch to a holiday spectacle.

For the first time the students held their fair in the State Fair Grounds, and thus were able to show their exhibits to many more people than has been possible before. Each department in the School of Agriculture was represented by a float in the parade and an exhibit under one of the large tents loaned by the Highway Commission. In these tents were many individual exhibits which were brought by students from their homes. The exhibits of the various departments were explained to the visitors by students who volunteered for this week.

The judging contests were held Wednesday. Many entries were made by students who wished to share in the \$1,200 list of premiums. Live-stock, poultry, grains, fruits, and vegetables were placed by the contestants.

Keen rivalry is always shown between the departments in the preparation of floats. For the past three years the Poultry float has been selected as best, but this year the honor goes to the Animal Husbandry Department.

The judges who made the awards of the prizes for the floats decided that the float prepared by the Animal Husbandry Department, showing Brother Noah and his Ark, should be given first place. The float designed by the Department of Vocational Education, showing the old country school and the new consolidated school, won second place. Third place went to the Department of Agricultural Administration with a great float presenting the phrase, "The Pen is Mightier Than the Plow." The other floats were rated as follows: fourth, Poultry Department; fifth, Horticulture Department; sixth, Biology Department, and seventh, Agronomy Department.

The highest score for float and exhibit combined was made by the Agricultural Administration department.

Much of the credit for the fair goes to the officers, who have been at work for nearly a year to make this year's the best fair held. H. W. Taylor of Wilmington is president and J. P. Shaw of Raleigh is secretary. These men, together with the leaders of the departments, have spared no effort to make the event successful. The various group leaders are as follows: C. B. Brown, Vocational Education; J. B. Slack, Poultry; J. E. Foster, Animal Husbandry; D. L. Ray, Biology; J. E. Sheffield, Agricultural Administration; M. W. Long, Horticulture; J. E. Fletcher, Agronomy.

CONCERT BAND GREAT SUCCESS IN NEW ATTIRE

Calls Forth Enthusiasm by Appearing Arrayed in College Colors

The State College Band made the best showing of any aggregation at the Fair Week game except the Carolina football team. The weather was too warm for the Army regulation uniform, and "Daddy" Price snatched at the chance to appear in something light, and at the same time stress the State College colors.

The entire band wore white shirts and trousers, with red bow ties. The musicians wore red tassels, and red sashes fringed at the bottom with white. The drum major also wore a red sash, with a large white rosette at the side. In place of the fez worn by the musicians, he wore a huge white fur shako with a golden chin strap and tassels.

From parade formation just inside the southern entrance to Riddick Field they marched straight up the field to the north goal-post, playing the march, "Invincible U. S. A." Counter-march was executed back to the center of the field. The band drew up in front of the University bleachers and played Carolina's Alma Mater song, then counter-marched to the State side, where they played the college athletic song, "State College Keeps Fighting Along."

During the half, a parade was made around the field, at the end of which enthusiastic cheers broke from ten thousand throats.

New Members Added To The Military Staff

Will Succeed Capt. Wysor and Lieut. Webb, Who Were Transferred Last Spring

In a former issue of THE TECHNICIAN there was an article published concerning the transfer of Col. Gregory, Capt. C. E. Wysor and Lieut. Webb have also been transferred.

Capt. Wysor is succeeded by Capt. W. E. Vernon. Capt. Vernon comes to the local R. O. T. C. unit from the 34th Infantry at Fort Eustis, Va., where he commanded the Machine Gun Company for several years. He was also instructor in rifle at Camp Perry, Ohio, for the National Matches.

Capt. Vernon is a graduate of the Infantry School in the Company Officers' Class. He was with the 7th Division in France during the World War, remaining overseas for eleven months, engaging in two major operations. He is a native of Louisiana.

Lieut. Webb is succeeded by First Lieut. E. P. Passalaigne. Lieut. Passalaigne is a graduate of the University of South Carolina. In his student days he took an active part in athletics, especially football. Old-timers will recognize him as "Dutch" Passalaigne.

Lieut. Passalaigne comes to us from the 25th Infantry. He is a native of South Carolina.

Safety First

"Come on in, Sambo," the farmer called out. "He won't hurt you. You know a barking dog never bites."

"Sure, boss; Ah knows dat," replied the cautious colored man, "but Ah don't know how soon he's gonna stop barking."

LOCAL CHAPTER TAU BETA PI INSTALLED AT RECENT BANQUET

Ceremonies Held in Y. M. C. A. Mark Beginning National Organization Here

HONORARY ENGINEERING

The formal installation of Alpha chapter of North Carolina, marking the entrance of Tau Beta Pi into this State, took place at the Y. M. C. A. reception rooms here Saturday night, October 10, in the form of a banquet and installation ceremony, conducted by Installing Deputy R. C. Matthews of the University of Tennessee.

Tau Beta Pi is a national honorary fraternity of engineers, founded at Lehigh University in June of 1885. During the forty years of Tau Beta Pi's existence it has established forty-seven chapters in the leading engineering colleges of the country, so that the members of the newly organized chapter consider it a great honor to the college as well as to themselves to be able to acclaim State College the seat of the first North Carolina chapter of Tau Beta Pi.

The original petition was launched in March of 1922 by 18 students and six alumni, and was granted at the national convention of Tau Beta Pi in October, 1924, and approved by the executive council of the chapters during the collegiate year 1924-25.

These intervening four years have been ones of constant effort and enthusiasm of Professors J. W. Harrelson and L. L. Vaughan, whose undiminished determination to have this chapter granted has been rewarded at last by the event of the past Saturday evening.

Thirteen members of the Senior class form the first standard group of the association here, the organization existing as follows: President, F. W. Jones; vice-president, E. W. Chadwick; recording secretary, S. E. Shepard; corresponding secretary, F. K. Fogleman; treasurer, Prof. J. W. Harrelson, with Brothers R. M. Shufford, H. E. Kendall, R. B. Morris, R. F. Norwood, W. F. Sanders, F. L. Tarleton, H. C. Tate, A. B. Uzzie, and E. Y. Webb.

Alumni members consist of Professors J. W. Harrelson; L. L. Vaughan, Alpha of N. Y.; Wm. Hande Browne, Alpha of Ill.; H. E. Satterfield, Alpha of Indiana; H. B. Shaw, Alpha of Missouri; E. L. Cloyd, C. L. Mann, G. C. Cox.

The president, F. W. Jones, will attend the annual Tau Beta Pi convention to be held Wednesday, Thursday, and Friday of this week at Lafayette, Indiana.

PULLEN SOCIETY HAS INTERESTING PROGRAM

Pullen Literary Society has started off the year with a sprint that bids fair to support a prediction that it will surpass the fine work done by the society last year.

Peppy debates and short talks have been the outstanding features so far. Last Friday night C. A. Leonard and W. A. Hays, representing the affirmative side of the query: "Resolved, That the Student Council should publish its proceedings in THE TECHNICIAN," won over J. H. Dulin and W. R. Burnette by a small margin. Leonard was given credit for being the best speaker, owing to his well organized and well presented speech.

The outstanding short talk was made by J. S. Morris on peach production. He showed to the society that he was well informed on the subject. Some real constructive criticism was made by E. G. Moore, which was well worthy of consideration.

Tar Heels Hold Wolfpack Scoreless Despite Rallies

FRATERNITIES SOON TO MOVE TO OWN HOMES

Rumored That Three Organizations Will Soon Make Change

It is rumored that within the next few weeks several fraternities on the campus will move into houses. This is the beginning of a great change in fraternity life at State College. Within a few years all the fraternities will probably be living in their own houses.

Not only will this movement help the fraternities, but will help the crowded living conditions of the school. At present there are three organizations planning to move. This alone will take fifty or sixty from the dormitory.

The exact arrangements have not yet been made public, but will probably be given out in the next few days.

"Dog" Weathers Gets Good Job In Mexico

Was One of the Best Football Players Ever to Attend N. C. State College

Friends of "Dog" Weathers, whom all State men remember as being the best lineman we have ever had, and who also attended classes in Civil Engineering, will be glad to know that he has accepted a responsible position with the Mexican Highway Commission. This is in line for promotion, as "Dog" has gone from a subordinate position with the North Carolina Highway Commission to one of much more importance in Mexico. He also will receive a much larger salary, and this, combined with the lower cost of living in Mexico, should enable him to store by quite a bit of filthy lucre.

"Dog" played football in those good old days when we beat Carolina two straight, and his playing made him the almost unanimous selection of the sport writers for the mythical All-South-Atlantic eleven both years. In football "Dog" was there, and never missed a minute from the game on account of injuries.

MARKETING OF COTTON FEATURE AT ASSEMBLY

Mr. C. O. Moser, who is General Manager of the American Cotton Growers' Exchange, delivered a very interesting and educational speech to the student-body last Friday at Pullen Hall. His subject was, "Cotton Marketing and Its Relation to Business."

In this address the student-body was shown the importance of cotton marketing during the present day.

Mr. Moser stated that our country is at the present time demanding agricultural leadership, leadership that will take care of the problems in agriculture, which are of common interest to all of us.

"Marketing is a group problem," Mr. Moser stated, "for we cannot deal in markets individually with any success, but they must be dealt with in groups." He said the only new thing about cotton co-operative marketing is the application of the problem. "While we are the greatest producers in the world, we are the poorest marketers. We cannot solve the marketing of cotton problem by an increase in production. Cotton should be moved as fast as consumption demands it," Mr. Moser stated.

Red and White Hold Their Own in Initial Frame, But Do Not Threaten the Enemy Goal in Remainder of Game.

(By JAMES W. COOPER.)

Playing on a rain-soaked field and before some 12,000 frenzied spectators, the State College Wolfpack went down in defeat before their ancient rivals, Carolina, in their annual Fair Week classic game by the score of 17 to 0.

State started off brilliantly, and the first quarter was clearly theirs. In this period the Wolfpack completed four passes out of seven attempts, for an average gain of 10 yards, and succeeded in registering four first downs against the Tar Heels' two.

The second, third, and fourth quarters were Carolina's. They kept State on the defensive most of the time, and succeeded in making eleven first downs to State's none. In the second frame the ball saw-sawed up and down the field, with Carolina chiefly resorting to punting and passing. The final half was Carolina's, with State getting the ball now and then for brilliant flashes at an attempt to stage a comeback.

Carolina, in the second quarter, realizing the closeness of the game, secured a field goal, propelled by the trusty toe of Underwood from the 15-yard line.

In the final periods the Tar Heels swelled their score to 17 to State's none. In the third quarter Carolina started a relentless drive that State could not stop. Underwood received the kick-off and ran it back to the 53-yard line. Ferrell then went over center for 8 yards, and Underwood registered first down. Shuford then made 17 yards and another first down, placing the ball on State's 10-yard line. Underwood made five yards, and a short pass, Underwood to McMurray, accounted for Carolina's first touchdown. Underwood secured the try for point from placement. Again in the fourth the visitors unleashed an attack, and this time Fordham, substituting for Ferrell, crashed over for a touchdown after he, Underwood, and Young had placed the ball within scoring distance.

(Continued on page 6.)

CLUB GIRLS AND BOYS GUESTS COLLEGE WHILE AT THE STATE FAIR

State College is very proud to have had as its guests during the Fair several hundred boys and girls from rural high schools all over the State. These young ladies and gentlemen were actively engaged in work of different kinds at the State Fair. Some were members of judging teams, and the others were used as demonstration agents for the various types of work and training given at their schools. Sleeping accommodations were furnished the boys in the college "Y," and all of the visitors were fed by the school at the regular dining hall.

Thursday night a reception was tendered them by the college, the plans and entertainment being in charge of Mr. Frank Capps, Director of the Extension Department. This reception was held in the dining hall, and was a great treat for everybody present.

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Published weekly by the students of the North Carolina State College of Agriculture and Engineering.



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Entered as second-class matter, February 10, 1920, at the postoffice at Raleigh, North Carolina, under the Act of March 3, 1879.

SUBSCRIPTION PRICE:
\$1.25 PER COLLEGE YEAR

Our advertisers were solicited with the purpose of putting before you dependable shopping points. Remember this, and feel perfectly safe in guiding your shopping by THE TECHNICIAN.

News items for THE TECHNICIAN may be handed to any member of the staff, left at THE TECHNICIAN office, or mailed to Box 258, State College Station, Raleigh, N. C.

Editorials

The Wolfpack and Gamecocks certainly did fight.

Again the mighty dollar prevails. The new fence will be covered with advertisements.

Wonder if they will paint both sides? Might as well plead poverty to the whole world while we're at it.

The other, state institutions will probably beautify their grounds with shrubbery or other kinds of useless material, but leave it to us to show them an ultra-modern campus decoration.

We suggest a big poster ad along Hillsboro Street. This would be a decided improvement to the looks of our campus, would bring in a handsome revenue, and would "show State College to the people of North Carolina."

According to one of our Freshmen, Caesar would have written up the Carolina game in the following manner: All North Carolina is divided into two parts: the University and State College.

After much thought on the subject, our staff has decided not to purchase a bicycle. We had planned to use one to ride to our classes, but we fear it would offer too much temptation to keep on riding when we reached the class.

Along with most of the other papers of the State, THE TECHNICIAN is guilty of misspelling the name of Jack McDowall. We have spelled it correctly, but the printers thought we were wrong, so they changed it each time. We have had a heart-to-heart talk with them, and from now on this paper will use the correct form.

We have long since decided that THE TECHNICIAN should not be a code of ethics for State College students. Despite this fact we are often asked to caution the students not to do this or that particular thing. We usually give a polite answer, but never do we promise to write the various and sundry "preachments" that are suggested by these well-meaning friends.

OUR HONOR SOCIETIES

Now that the Freshmen have had time to digest the many morsels of advice and information which were given to them during their first week, we have decided to put on a campaign of our own. It will last just long enough for you to read this piece.

Our plan is to acquaint the new men with the honor societies here. Doubtless some of them have already asked questions about these organizations, but the majority of them look upon these as far-away goals attained only by the superhuman student. Now as a matter of fact there is no great difference in the fellow who makes an honorary society and one who does not. Just a little more effort, and just a little higher goal will usually mean the difference between the honor student and the ordinary one.

Since these societies do not put on an advertising campaign of their own, we propose to put on one for them. They are worthy of all the publicity they will get. Here they are; take your pick. They are all good.

The Phi Kappa Phi Honor Society is national in scope and takes in the whole College as the field from which to draw its members. Only Seniors of high scholastic standing are admitted. Besides this, other requirements are character and leadership, the latter being stressed.

The Pine Burr Society is a local organization. It also draws from the entire student-body. It is characteristic of this school, and was founded to commemorate the Old Watauga Club, which was instrumental in establishing this College. Juniors and Seniors are elected to membership who have the scholarship requirements and who are active and prominent in some phase of college activity.

Pi Kappa Delta is a national forensic fraternity. It was established here last year to promote an interest in public speaking. Any member of the student-body who represents the College in an intercollegiate oratorical or debating contest is eligible to the fraternity.

The Technician Quill Club is a local organization founded last year. Its membership is composed of the Seniors who hold responsible positions on the staff of the paper. Plans are now being worked out which will require that a man be a member of the Reporters' Club before he can be elected to the editorial department of the Quill Club.

Alpha Zeta is a national honorary Agricultural fraternity. Its members are elected from the School of Agriculture, and must meet a high scholastic requirement. A student must have completed one and one-half years work before he is eligible.

Tau Beta Pi is a national honorary Engineering fraternity. Its members are chosen from the Senior class in Engineering. Scholarship, character, and leadership are requisites for this society. Character and personality have much weight in determining a student's eligibility.

Lambda Gamma Delta is a national judging fraternity. Its members are selected from agricultural students who represent the College in intercollegiate judging contests. It includes livestock, grain and fruit judging teams. This fraternity was installed last year.

The N. C. State Agriculturist made its first appearance for this year on Monday of this week. The new staff has begun its work in a very creditable manner. The magazine compares favorably with those put out by many of the leading agricultural colleges of the North. We congratulate the editor and his assistants upon the fine start. Here's hoping they publish seven more issues as good as the first.

At Wabash College, Indiana, the Board of Trustees have passed a rule prohibiting students from keeping automobiles on the campus. Many of us at this institution do not keep cars, but we wonder if it isn't due to an entirely different reason.

VALUE OF FORGETTING

During our stay of a little over three years here we have had many instructors—teachers and otherwise. Some of these have left impressions, and others have not. A rough estimate of the total would give about 20 for the whole time. Many of these gentlemen extolled the virtues of memory and memorizing. Just one man told us of the value of forgetting.

And yet, when we stop to think about it, we realize that the power to forget is one of the most useful faculties which we possess. This same trait may often inconvenience us, especially on a quiz or examination. Because of man's tendency to forget, many concerns publish books telling how to cure this undesirable trait. And yet if these people could completely eliminate the power to forget, they would do an irreparable damage to their victims. Whenever we hear any one bemoaning the fact that he has forgotten something, we want to ask him how he would like it if he never forgot anything. Suppose all the unpleasant events of our lives were brought to our attention continually by a memory that absolutely refused to forget. Suppose we could make a card index of our minds—as some teachers seem to think we should—how long would we be able to file away facts before the capacity would be reached? How much better that we can establish an acquaintance with facts through texts and lectures, and later, when necessary to use them, dig them out of their hiding places.

Possibly we attach undue emphasis to this thought. If so it is because of its rarity. For nearly three years we had been doing memory work, and often when we were not told verbally to do this, the assignment left no doubt. The attitude which we had taken toward this work was that it was a necessary evil. Imagine our reaction when a professor stood before his class and admitted frankly that we would all be crazy soon if we tried to remember all that he and other teachers told us. Here was a man who realized a great truth, and who was honest enough to tell his students.

THE RELIGIOUS FORUM

The religious forum at the First Christian Church began the second year of its existence Sunday night, with a packed house. Doubtless many of the people went because Dr. Potat was the speaker. However, we would not be surprised if the large attendance continues. The response which the people of Raleigh have given to the forum idea seems to point to two pertinent facts. The first of these is that they are interested in religion, and the second is that they are broad-minded enough to appreciate the other fellow's views whether these coincide with theirs or not.

Dr. Taylor assures us that the speakers who will visit the forum this year will be honest, and that they will be religious. If this policy is adhered to strictly we look for much good to come out of the meetings. When a group of modernists gather, it is sometimes customary to discard many of the truths which are considered essential to the Christian religion. However, the opening address certainly contained nothing which any fair-minded person could attack. If the plans are carried out, we feel that many State College students will form the habit of attending these meetings regularly and profit thereby.

We believe that there is a great work which this body can perform. If it can point the way to just a few young people who have been driven from their natural church homes because of the narrowness of those to whom they looked for guidance, then it will have performed a real service.

State College is indeed proud of the opportunity of acting as host to the boys and girls who were engaged in judging and demonstration work at the State Fair. We are always glad to have you in our midst, and extend to you a hearty invitation to come to see us again.

This Week's Limerick

by ZIPPY MACK

Well, what was the score? Did you hear it?
We didn't quite win, no, nor near it.
But losing or winning
We always go grinning,
For, you know, that's the State College spirit!

Student Forum

Are We Awake To Our Opportunities?

During the week there have been a large number of high school boys from all over the State at the State Fair and at State College. In a year or two they will be entering some college. Have we as State College men done anything that would make these boys want State College as their Alma Mater? This is the best chance we will ever have to sell State College to these boys. Next year we should have a special committee formed to look after this work. Something has been done this year through some of the county clubs, but they could not hope to cover the field as it should be.

S. F. PETERSON.

About College Spirit

I have heard a few men criticize our football team for the showing it made against Carolina Thursday. I have very little patience with any one who will sit on the bleachers and pat himself on the back when his team is winning, and the minute it begins to be a losing team he becomes as ardent a kicker as he was a rooster before. However, it is only fair to say that most of these kickers have never faced the gaff on the gridiron themselves.

And while we are criticizing the team for the way it stood up under the opposition offered by the Carolina line-up, let us look inwardly and see how we as a student-body stood up under the opposition of a light rain Wednesday night when a "pep meeting" was called in Pullen Hall. The band was supposed to be there, but only a half dozen men appeared. The whole student-body was supposed to be there, whereas only about half the Freshman class and one-tenth of the other three classes were present. If the team had put up that kind of a demonstration the result would have been pitiable indeed.

R. R. FOUNTAIN.

Fairness Of New System For Games

The students of N. C. State College who had relatives, friends and sweethearts found much difficulty in obtaining tickets for the game Thursday, and are laying all the blame on the athletic directors.

This has been a problem for years with the Athletic Association, because the students have obtained any amount of tickets and used them at a great profit. They also sold their individual tickets and didn't attend the game, or would slip in under false pretenses. If any one needs the money it's the Athletic Association of N. C. State College, and it is the duty of every student to help back up the athletic director in his efforts to secure a fair and square support to the school and students.

Coach Miller deserves great credit for the establishment of the new system for games on the home field, instead of being criticised by the students because they can't sit with some friend on the best seats.

Agromeck Yelps

Well, how do you like our new car?

You fellows should like it fine; you paid for it.

Any student who failed to have his picture made, please see the Editor at once and arrange for an appointment.

We believe that the pictures as a whole have been very good. Of course we have had several kickers. However, that's probably our fault; we should have had a mirror for them to look in when they started to kick.

But we admit that quite a few pictures can be improved on, and the owners of the fair faces have some right to expect better results. However, a little "legging" will get you better results than lots of "kicking."

C. G. Montgomery is our Snap-Shot Editor. If you don't know him, better look him up and keep out of his way. At present he is taking pictures for a page in the Agromeck which will be entitled, "People Who Take All the Joy Out of Life."

To date, the work on the Agromeck has progressed very satisfactorily. Mr. Dryden, who is the manager of the college annual department of The Brandon Printing Company, is now here, and will spend some time with the Staff in getting the book completely outlined. The good progress in making pictures is largely due to the co-operation of the student-body, and the staff wishes to express its appreciation for your efforts.

TOM BOST WILL SPEAK AT RELIGIOUS FORUM

Mr. W. T. (Tom) Bost, correspondent for The Greensboro News, will speak at The Forum Sunday night. Mr. Bost's subject will be "Unconscious Followers of Christ."

The musical program will consist of a pipe organ concert given by Mrs. W. D. Parry. Mrs. Parry will play the following selections:

Pilgrim's Chorus (Tannhauser)—Wagner.
Buona Notte (A Day in Venice)—Nevin.
Largo (The New World)—Dvorak.
Offertoire—Rogers.
Andante Cantabile—Tchaikowsky.
Evansong—Johnston.
Postlude: Exultemus—Kinder.
Beginning with this Sunday, the Forum program will commence at 7:30 p. m.

There was an order from the P. M. S. and T. that several of the advanced students in R. O. T. C. had been removing the circular wire in the caps. This is absolutely against the rules and is to be discontinued immediately, and in case that they have already been removed, they are to be replaced at once.

Farmer's advertisement: "Anybody wanting to buy a big fat hog, come out and see me."

NOTICE!

All Seniors, Juniors, and Sophomores who want to select their pictures which will appear in the Agromeck must return their proofs by Monday night, October 18, at 8 o'clock. If proofs are not returned by that time, the Staff will make the selection.

1926 AGROMECK.

**Dr. Chas. A. Herty
Addresses Textiles**

Reviews Dyeing Industry in United States and Shows Present Opportunities

Dr. Charles A. Herty, president of the Synthetic Organic Chemical Manufacturing Association and formerly professor of chemistry at the University of North Carolina, delivered an interesting and a valuable lecture to the Textile students Tuesday at 10 a. m.

In his lecture Dr. Herty spoke briefly of the dyeing industry before and during the World War, and then traced the development of this industry in the United States from its origin in 1916 to the present time. He told of the great work that has been done and the rapid development that has taken place in America's dyeing industry.

In 1918, according to Dr. Herty, the mills of the United States were searching the world over for dyes to take the place of those that had in the past been imported from Germany. The United States was unable to get dyes from Germany unless cotton was given in exchange for these dyes. The British refused to consent to such a transaction, for they knew that the Germans would make gun-cotton out of the raw cotton imported from America. It, therefore, became necessary in this country to develop the dyeing industry.

Dr. Herty pointed out that at the beginning there was a great need for trained textile chemists and the right kind of equipment for this new industry. Many of the plants were poorly and improperly constructed, and many of the men that worked in them knew little or nothing about dyes and the dyeing industry. At first it was thought that American coal was not suitable for the manufacture of dyes. It was claimed by many people that only the Germans were smart enough or had the genius to make dyes.

Today America produces 96 per cent of the dye that is needed in this country. If all of our ports were closed to foreign dyes the United States would not suffer. We are no longer held down by Germany's monopoly on dyes. Our plants produce dye-stuffs that rank with the best produced in Germany or other foreign countries.

After presenting this picture of the development of the dyeing industry in this country, Dr. Herty stated that today we need more than anything else college-trained dyers who have a good knowledge of chemistry, and the nerve to go into dyeing plants and dyeing departments for the purpose of getting real practical experience. He concluded by saying that it is up to the textile schools in colleges like N. C. State to produce men for this work.

Clark: "This book will do half your work."

Senior: "Gimme two, quick."

**TOP-COAT WEATHER IS
Here—So Are the
TOP COATS**

\$18.50 to \$35.00

They're the handsomest, manliest looking Coats we've seen in years even though prices are lower than before.

All are carefully tailored and substantially built to fit well across the shoulders and hang trim and smart.

Only sturdy, pure-wool fabrics (with silk lining) have gone into their making—the kind of fabrics that resist rain and coldness and hard wear.

For a man's Topcoat nowadays is almost a constant companion—he wears or carries it, rain or shine, practically ten months of the year.

These single-breasted box models come in the rich new Fall patterns and are designed in the newer styles.

It is not every day that a man buys a Topcoat, and since it is the most useful all-weather garment in his wardrobe, he should make sure of getting a good one. That's easy, if he makes his selection from among these—Berwanger's 2 Stores— all low-priced, \$18.50 to \$35.

S. Berwanger
The One-Price Clothier



H. W. TAYLOR
President Students' Fair
It is largely through the efforts of "Pop" Taylor that the Fair this fall was the biggest and best ever held.

In Praise To Truth

Is it not sweet to behold the sun?
Or the flower developed to its fairest finish?
Or the vine bowed weak with swelling fruits,
Or the spring that flows and must e'er replenish?

Spirit of Knowledge! Theme of the Song I consecrate to thee.
O, drink abundant at the celestial fount,
That sacred Life-force breathed from God,
The essence and endlessness whence all things mount.

For the fire of the mind is a nourished flame,
It is lambent and daring and vehement.
Upon some thing it must fare and feed,
Its flashings and reachings can ne'er be spent.

From the stench of pollution it will suck
Of the spirit of knowledge pure and bright.
By day it will grow into fullest flower,
Into rankest weed by night.

O, thou clean and serene and beautiful!
Thou magnificent in solitude!
Haughty Invisibility! Loathing and contempting
Every base and foul food!

Thou from everlasting, who shone before the stars did glow,
E'er heaven's depths were broken into lights by thee!
Have I not bowed mine ear to thine immortal whisper,
And tuned mine actions to its harmony?

Knowledge quickens the blood-beat and softens the heart,
It trembles at the rustling of Time's great wings;
Is to be found in the cleft of the rock,
In the covert-of-leaf a siren it sings.

'Tis jeweled armor for the soul that fights;
Its spirit with that of the world can ne'er mingle;
Their ways are separate, distinct, and apart;
The one for those whose wills un-single

Are as the branching veins in dryest flesh,
Whose course is cheap and short by check of chain,
Whose breaking passions beleaguer the soul
As hell-dogs in their restless reign.

Or O! that brute, false, playing crowd that press
As thistle-down on languid airs—
Float in their hollows idle—
Blowing their thistles to little hairs!

But what sweet temptations doth Truth gleam down.
How Godlike and mighty! Serene and strong!
Interpenetrated by a diviner will that joins
The heart to kindness and severs it from wrong.

O, thou Genius of Life, and Angel of an Eternal Day!
With Truth and Faith thy staff and rod
Toward the infinite, immortal, eternal journeying.
Thou sweet Orderer of the Soul for the Spirit of God!

MARY BLAND SILER.

"I can't remember the words of that new song."
"That's good. Now all you've got to do to make home happy is to forget the tune."



J. PAUL SHAW
Secretary Students' Fair
Paul Shaw, better known as "P-Leg," has demonstrated an unusual ability in securing a premium list of over \$1,200.

**"RED" CARR CHOSEN
BEST PARADE CLOWN**

The clowns are usually the spice of a parade, and the State Fair parade was no exception to the rule. The half dozen or more clowns which followed the parade kept the crowds that lined the streets in a constant roar of laughter.

"Reds" seem to be popular as clowns, as "Red" Carr won first prize and "Red" Davis second, with M. O. Pleasants third. W. J. Bardon received honorable mention.

"Red" Carr sprang an original one by putting pockets on his knees and using the customary "Great" coat. The cane which he used in a very efficient manner was second only to Charlie Chaplin's famous favorite.

Bardon was the only one who thought it necessary to wear a false face. As he did not place, this shows that nature, with the aid of paint and clothes, paves the way for the clowns.

**Y. M. C. A. PROMOTION
FORCE IS ORGANIZED**

The Promotion Force of the Y. M. C. A. held its first regular meeting Sunday at 2 p. m. At this meeting several matters of importance concerning this organization were discussed.

The book entitled, "Christian Life a Normal Experience," was selected by the members of the Promotion Force as the book that they will study this term. This book was written by Dr. W. D. Weatherford, president of the Y. M. C. A. College at Nashville, Tennessee. Dr. Weatherford has written several books on religious subjects, and is an authority in this field of work. At each regular meeting a chapter of this book will be discussed by all the members present. The study of this book and the discussion of problems concerning the Y. M. C. A. and State College will occupy an important place on the program for each regular meeting.

The following students have been

accepted as charter members of the Promotion Force of the Y. M. C. A.: H. C. Alexander, W. J. Bardon, Robert Brown, Jr., W. R. Burnette, J. D. Conrad, J. M. Curry, J. C. Davis, H. H. Diggs, N. E. Evans, L. M. Green, K. K. Griffin, D. L. Harris, S. H. Hassall, E. E. Hood, L. R. Humbert, C. W. Jackson, B. K. Jones, C. G. Kirkman, B. J. Kopp, M. W. Long, F. S. McKay, P. E. Moose, B. G. O'Brien, D. R. Pace, R. J. Peeler, F. E. Plummer, F. S. Pritchard, P. S. Raper, R. E. Reel, W. R. Sechler, H. E. Springer, C. L. Straughan, F. L. Tarleton, B. L. Vick, R. W. Zimmerman.

"Wake up, Lena."
"I can't."
"Why."
"I ain't asleep."

Personnel Man: "What do you wish to do?"

Student: "Something big and clean."

P. M.: "Good, the circus just came in. I'll get you an elephant to wash."

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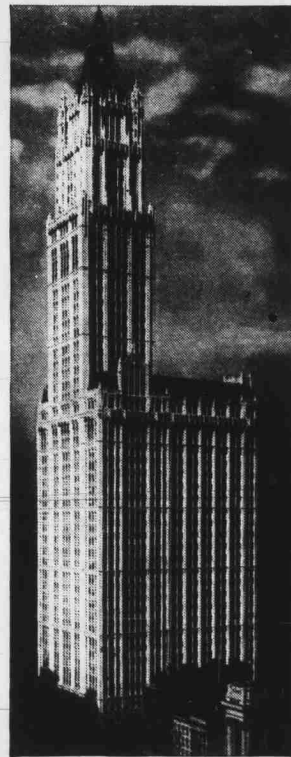
*He Believed a Lie
and Scorned the Truth*

A YOUNG PEASANT of Central Europe was eagerly questioning two Harvard men regarding the wonders of New York.

The first one told him that some of the New York buildings are so tall that they are snowcapped all the year. The peasant stared a moment at this, but decided it must be true.

Then the second Harvard man spoke of the great buildings equipped with dozens of elevators, some for local service, some for express to the twentieth and higher storeys. The peasant burst out laughing and said, "Now you are making fun of me!"

Strange but true, of the two marvels the real one was harder to believe. The identification of Otis Elevators with the buildings of New York and other great cities of the world is accepted quite casually by those who visit the important world centers.



THE WOOLWORTH BUILDING, New York is the biggest commercial building in the world. The Otis tower elevators travel a distance of 680 feet, running at a speed of 600 F. P. M., there being 26 Otis elevators in the building.

OTIS ELEVATOR COMPANY
Offices in all Principal Cities of the World



The Wolfpack Loses Thrilling Game To Fighting Gamecocks

Cold Weather Adds Snap and Vim to the Players and Spectators

WIND CAUSES FUMBLES

Thomas Narrowly Missed Chance to Tie Score by Losing Point After Touchdown

Playing the hardest-fought contest on Riddick Field so far this year, the Wolfpack went down to defeat before the South Carolina Gamecocks last Saturday by the narrow margin of 7-6.

Cold weather kept both the players and spectators on edge, while hard and gusty winds badly interfered with the punting of both teams.

The Palmetto eleven scored its touchdown in the second period after Pruitt had recovered a punt dropped by Jack McDowall on his own 26-yard line. From this point of vantage a drive was started which resulted in Rogers crashing over for the score. Red Swink made good the try for point from placement.

State was held successfully in the first two quarters, but came back in the last half to decisively outplay the visitors. Dropped passes, practically on the goal line, kept State from at least two scores in the third period. In the final period, however, a drive was started which placed the Wolfpack in the Gamecocks' territory, and a beautiful delayed pass of 48 yards from McDowall to Hunsucker placed the oval on the one-yard line. On the next play Walter Shuford ploughed through for the only score State was able to make. Thomas missed the try for point when his boot, aided by an imperfect pass from center, went a few inches outside of the uprights.

The game was State's with the exception of the second period, when the fumbled punt led to South Carolina's score. The Wolfpack made thirteen first downs to Carolina's five, all five of which were made during the first half.

Jennette and W. Shuford both dropped passes which would have meant touchdowns had not the setting sun in their eyes kept them from seeing the ball.

Red Swink made a brilliant 60-yard run late in the second period, and was downed on State's 20-yard line by Charlie Shuford, the only man between him and the goal.

Playing for the first time with white jerseys also put a rather serious disadvantage on the Techs, used as they were to aiding and playing with rather than against the red.

State	Line-up	Position	S. C.
Kilgore	Pieseimano	
Lamb	Long	
Donnell	Bartel	
Logan	Boyd	
Nicholson	Pruett	
Bynum	Seideman	
Studderf	M. Swink	
Jennette	Boatwright	
C. Shuford	Rogers	
McDowall	Wimberly	
W. Shuford	Jaciewicz	

A negro hotel proprietor in Fayetteville, N. C., when asked by one of his white friends if any of his guests left without paying their hotel bills, replied: "No, sir; I makes 'em all pay in advance fore dey eats or sleeps in dis place. You see, some hotels is run on de European plan, some on de American plan, but I runs dis hotel strictly on de African plan."

Rockingham High Wins From Hamlet

The Rockingham High School football team, noted at State largely because of the famous State athlete who coached there a year or two ago, but mainly because it was the scene of Jack McDowall's prep school athletics, won a hotly contested game from Hamlet last Friday. Neither team was able to score until the last quarter, when Hamlet put the ball over for six points. Rockingham then came back and soon tied the score. In the last minute of play a Rockingham half-back broke through the line and raced 75 yards for a touchdown. The extra point was kicked just as the final whistle sounded.

STUDENTS NO LONGER NEED TO CLIMB FENCE AROUND FAIR GROUND

Special Student Tickets at Reasonable Prices Make Climbing Unnecessary

The students are deprived of the "kick" that they get out of slipping into the Fair Grounds, because the Fair management has issued season tickets to the students for one dollar each, which will take them in the Fair Grounds twice daily, and are good for the entire week. Therefore, the boys will be inclined to do away with all their wire-cutting and board-knocking implements.

This plan is working greatly to the satisfaction of the Fair authorities and the larger part of our student body, but it will take much "spice" and "pep" out of many of the customary Fair-Week escapades.

GREAT INTEREST SHOWN IN WORLD'S SERIES GAMES

In the motley throng that gathered in front of the News and Observer building each day during the World Series were many State College men. They came to watch eagerly the replaying of the games on the large playograph. Most conspicuous of those present were those who were adorned by the red caps.

Each day shortly after the "mid-afternoon" a general exodus of the students from the campus was very noticeable. In groups and in pairs they discussed the latest dope and the probable outcome of that day's game. Many returned each day disappointed because their favorite team had lost, while others were jubilant because of victory.

Another favorite method of getting the results of the games was to "listen in" on the radio. In several rooms groups were sitting with the quietness of death except when some self-appointed announcer would give the latest developments of the game to those not so fortunate as to have access to "head gear."

NEW MASCOT REPLACES GOAT IN 1911 DORMITORY

1911 Dormitory now has a new mascot to take the place of the goat of last year. The mascot this year is in the form of a full-blooded yellow mongrel pup. This pup is generally called "Co-Ed" or "Collegiate," although other names are sometimes applied when she becomes mischievous.

For the last day or so "Co-Ed" has been sporting a fancy pair of hose around the campus, which some kind-hearted fellow securely fastened on the pup's hind legs. These make her quite a "high-stepper," and give her a dignity of bearing which goes well with the palace in which she dwells.

Where the "Co-Ed" came from, who her owner is, or how long she is going to stay, nobody seems to know. The fact is that she is here and seems inclined to remain. The boys of 1911 Dormitory are certainly glad to have

ON THE SIDELINES

South Carolina plays queer football this season—the winner loses.

—N.C.S.—

Outlucked, not outplayed, seemse true of last Saturday.

—N.C.S.—

Hard luck—Quarterback Thomas. Make up for it next time.

—N.C.S.—

Luck will tell. South Carolina outplayed North Carolina and lost. State then repeated the trick.

—N.C.S.—

Twelve new tennis courts definitely ordered. Not so bad, when we get them.

—N.C.S.—

Boy, didn't Red Swink fall for Charlie Shuford! Of course, we mean at the sudden end of that 60-yard dash.

—N.C.S.—

Forty-eight yards at one toss! Huh, the Wolfpack don't need to be in the enemy's territory to score.

—N.C.S.—

Bring on your Flying Kaydets. The Wolfpack is through with the Carolinas and ready for anybody.

—N.C.S.—

V. M. I.—Davidson—V. P. I. Three of a kind and three in a row. Truly tough eating for any man's Wolfpack.

—N.C.S.—

Too bad J. J. Wright and his troupe of trail-trotters couldn't get in a little exercise over at the Fair Wednesday afternoon.

—N.C.S.—

All those not in favor of rooming the team off the campus the night before a game stand on their heads. Good—everybody, and Coach Tebell, are top-side up.

—N.C.S.—

Come on, Woflets, we're betting on you to do what the Davidson Kittens failed to do—to High Point.

"Co-Ed" as their mascot, and think she showed good judgment in choosing her home. They will all try their best to give her lively entertainment, and think they can do so if their supply of shoes, books, and other missiles do not become exhausted.

STATE FAIR TRACK EVENT POSTPONED

On account of the rain that fell unceasingly during the earlier part of the day, the annual cross-country track race at the State Fair, which was scheduled for Wednesday afternoon, had to be postponed until the following Saturday. It will be run just before the automobile races.

The track, which on Tuesday was in fine condition, was covered to a depth of two inches with red, sticky mud by noon Wednesday. The postponement was a great disappointment to the many contestants who were expecting to enter the race. The race is four miles long, and for this reason is a favorite with the cross-country men.

The prizes, which are given by the Fair Board and the merchants of Raleigh, usually amount to some figure between twenty and fifty dollars. This year Coach Cobb is expecting his entire Freshman and varsity squads to enter the race. They should make a good showing, since they have gone through some very stiff work-outs during the past two weeks.

"No, I never allow any one to embrace me."
"You don't? Let's dance, then."
"All right."

Tourist of the south, to small colored boy trying to get on the outside of a huge watermelon—Son, too much watermelon?

Small Colored Boy—No, sah, mister; not 'nuff nigger!

FOOTBALL SCHEDULE

October 9	
High Point.....	14 Davidson Fresh..... 0
October 10	
State.....	6 South Carolina..... 7
Carolina.....	41 Duke..... 0
Wake Forest.....	49 Lenoir-Rhyne..... 0
Davidson.....	26 Guilford..... 0
October 17	
Davidson vs. Presbyterian at Clinton.	
Duke vs. Elon at Elon.	
High Point vs. Guilford at High Point.	
Lenoir vs. Emory and Henry at Hickory.	

Freshman Football Team Shows Promise

Team Shows Up Well in Scrimmage Against Varsity; Only Six Games on Schedule

The husky Freshman football squad, composed of fifty men and coached by Sammy Homewood and Chick Doak, has been having hard work-outs in preparation for this season's schedule. According to the coaches, the squad has some very promising material, and a highly successful year is anticipated.

The team has been undergoing good tests of "stickability," scrimmaging the varsity squad and working late in the evening.

The schedule this year is comparatively light, having only six games. The initial game will be played here, October 24, with High Point College. During the season the following Freshman teams will be played: Duke, Carolina, Wake Forest, and Davidson.

TAG FOOTBALL LEAGUE SOON TO BE ORGANIZED

The Dormitory Tag Football League will be definitely organized Monday, October 20th, at a meeting of representatives from each dormitory in Coach Parker's office. This meeting will be at 4:30, and it is hoped every dormitory will be represented. It is not necessary to have a formal election, but some one of the group planning to play should be present to get the details and rules.

Football has been placed in every dormitory, and many of the teams are well organized at this writing. The regular Intramural medals will be given the winning team.

COLLEGE DIRECTORY IN HANDS PRINTERS

Students and Faculty will be interested to know that a complete directory of N. C. State College is being printed in booklet form. It will carry a list of every student registered to date. Besides the name, it will give the course, class, room number, and home address.

In addition to the above information concerning the students, it will contain a list of the Faculty, research, extension, and administrative departments. The office and home address will be given after each individual as listed.

The above information is just as complete as can be had from the various offices of the campus.

The facts have been compiled by D. R. Pace and H. J. Carr. The directory will be on display at 112 or 113 Watauga after Monday of next week.

ON BEING READY

The man who is there with the wallop and punch,
The one who is trained to the minute,
May well be around when the trouble begins,
But you seldom will find he is in it;
For they let him alone when they know he is there
For any set part in the ramble,
To pick out the one who is shrinking and soft
And not quite attuned to the scramble.

The one who is fixed for whatever they start
Is rarely expected to prove it;
They pass him along for the next shot in sight
Where they take a full wind-up and groove it;
For who wants to pick on a bulldog or such
Where a quivering poodle is handy,
When he knows he can win with a kick or a brick
With no further trouble to bandy?
GRANTLAND RICE.

Jake (to office boy)—I don't like this job. At the last place I could take things easy.
Office Boy—Then, it must be tough for you here; we keep all valuables locked in the safe.

M'INTYRE AND SHAW ATTEND MEET AT MUSCLE SHOALS

State College Professors Read Papers at Electro-chemical Convention

At the fall convention of the American Electro-Chemical Society, held at Chattanooga, Tennessee, and Muscle Shoals, Ala., State College was represented by Prof. H. K. McIntyre and Asst. Prof. George C. Cox, both of the Electrical Engineering Department.

The convention met at the Signal Mountain Hotel, which is very pleasantly located on Signal Mountain and only a short distance outside of Chattanooga, overlooking the beautiful Tennessee Valley.

The first session of the convention opened on the morning of September 24th, and was devoted to a symposium on "The Relation of the Electro-Chemical Industry to the Production of Plant Fertilizers." Dr. H. C. Parmelee, Editor of Chemical and Metallurgical Engineering, presided over this meeting, at which a number of interesting papers on the fixation of atmospheric nitrogen by electro-chemical processes were presented. In this discussion the three methods of fixation of atmospheric nitrogen in an available form for plant foods were represented by the papers. The three methods as discussed are: (1) Direct combination of the nitrogen and oxygen of the atmosphere by means of the electric arc to produce the nitric acid; (2) the combination in an electric furnace of calcium carbide, itself an electric furnace product, with pure atmospheric nitrogen to form calcium cyanamide; (3) the combination of hydrogen and pure atmospheric nitrogen in an electric arc to produce am-

Last Week's Best Article

The honor of having the best story in last week's Technician goes to W. E. Wilson, for the article, "Brooks Literature Club Reorganized."

monia. The nitrogen required for the last two processes is obtained by liquefying air and submitting it to fractional distillation.

The first of these processes requires so much electric power that its product cannot compete with the Chilian nitrate. The product of the second process, while more economically manufactured than the first, is more expensive than the Chilian nitrate. Nitrate Plant No. 2 at Muscle Shoals used this method when it was operated during the last war. Nitrate Plant No. 1, an experimental plant and much smaller than No. 2, used the third process, known as the Harber Process, while it was in operation. The above-named plants are at a standstill just now. In this process hydrogen is produced by the water gas method of passing steam over coke. The hydrogen and carbon monoxide is then further treated with steam in the presence of a catalizer by which carbon dioxide and more hydrogen is produced. After the carbon dioxide is absorbed by an alkali with the results that pure nitrogen is mixed with pure hydrogen in proper proportions and conveyed into an electric arc reaction tower, where the hydrogen and the nitrogen unite to form ammonia. The synthetic ammonia thus produced is readily converted into more convenient forms as ammonium nitrate, ammonium phosphate, and urea.

Another important feature of this symposium was a discussion of concentrated fertilizers such as these just mentioned. The advantage of concentrated fertilizer is the reduction of expense of shipping and handling, as was pointed out; also the disadvantages that might result in the use of such fertilizers.

The other sessions at Chattanooga were devoted to papers on electro-deposition and electro-thermics, at which time a paper (to be reprinted later by the permission of the American Electro-Chemical Society) was presented by Professors McIntyre and Cox on "A Double Current Electrolytic Furnace." The paper received favorable discussion from a number of members who are interested in the electric furnace process. The work represented by the paper was carried on in the Electrical Department under the direction of the Engineering Experiment Station of the college.

The last day of the convention was occupied by an inspection of the hydro-electric and nitrate plants located at Muscle Shoals. The Wilson dam is nearing completion, and the work on the turbo-generator has progressed to such an extent that one of them, a 30,000 h.p. unit about forty feet in diameter, was in operation. Provision is being made for twenty such units operating at a head of ninety-eight feet of water. The party was prepared for this inspection by a very interesting lecture from Major Harold C. Fiske of the Engineering Corps, U. S. Army. He used for his subject, "The Power Resources of the Tennessee River Valley." The address gave a comprehensive outline of a study which is being made of the hydro-electric resources of the river and its tributaries. This study is of particular interest to North Carolina, since it includes much of the power resources of the western part of this State.

A young woman who was not familiar with the language of railroad men happened to be walking near the depot where a freight train was being made up. As the freight train was being backed up one of the brakemen shouted: "Jump on her when she passes by, run her down beyond the elevator, cut her in two and bring the head-end up to the depot."

Screaming "Murder," the young woman turned and fled from the spot for dear life.

Mary was intensely interested in the dime novel she was reading. As she paused at the end of a chapter she exclaimed: "Ah, the villain flees!"

"I should say so," said her mother, scratching her ankle vigorously. "One just bit me."

Joe: "What did people do before steel pens were invented?"
Jack: "The pinions of one goose were used to spread the opinions of another."

FACULTYFAX

A department devoted to the problem of acquainting our student body and other readers of THE TECHNICIAN with our faculty—T. H. CHAWFORD, JR.



A. S. Brower

A. S. Brower, business manager of the College, was born at Brower's Mill, March 23, 1892. He prepared for college at Concord High School, and finished at Trinity College in 1912. While at Trinity he was a member of various clubs, societies, a member of Kappa Sigma Fraternity, and The Order of Toombs.

Upon graduation he was employed in private business for a year, after which he was employed by the State Department of Education, working in various offices and as director of finance and statistics.

In 1923 he was employed by the College to serve as business manager of the institution, and has been in that department since.

JOKES

Mother: "John, go to the store and get me some cold cream."

After some time John returns, bringing an ice cream cone.

Mother: "I didn't want ice cream, I wanted cold cream."

John: "Well, that's the coldest cream he had."

Porter: "Yo' better keep yo' head out ob dat window."

Bones: "Look here, blacker dan midnight, I don't take orders from nobody."

Porter: "Well, if you damage any ob our railroad bridges you sholy goin' pay for 'em."

Last night I held a little hand, So dainty and so neat;

I thought my heart would surely burst So wildly did it beat.

No other hand e'er held so tight Could greater gladness bring

Than the one I held last—which was Four Aces and a King.

Clerk: "You might try our Rip Van Winkle rugs."

Oh Me: "What is there special about them?"

Clerk: "They have an unusually long map."

Dark brown were her eyes, Gold shown in her hair.

Her neck resembled ivory, And her cheeks were peaches rare.

Her teeth were tiny pearls, Her lips a cherry red;

Could she have lived in ages past, She'd reigned in Venus' stead.

I sighed and as I turned away, Went slowly toward the door.

For she was just a waxen form In a department store.

"What are you writing?" "A joke."

"Well, give her my regards."

Fraternity Brother: If you ever come home in this condition again, we'll kick you out!

Fraternity Brother: If I ever get in this condition again I won't want to come home.

Senator Reed had a very large neck and one day he went into a dry goods house in Washington to buy a collar.

The merchant asked, "What number do you wear?" The senator said, "I wear No. 26." The merchant said: "So'ry, sir; I haven't got it. You can find it down at the third door." The senator went down to the third door and it was a harness shop.

Now Solve This One

"Darling, will you make me the happiest of men in three letters, meaning eternal bliss?"

"My answer is two letters, meaning eternal freedom."

Soviet Guard to prisoner, a former lumber agent: "Yes, you are condemned to death. Have you any last wish?"

Prisoner: "It would delight me if my firm were allowed to furnish the gallows."

At Chem. lecture: Who made the first nitride?

Stude—Paul Revere.

He—Do you like indoor sports?

She—Yes, but father won't let them stay very long.

A railroad engineer tells the following: "My fireman became ill on a trip once and the nearest town was twenty

miles. I gave that engine all the steam I could and twenty minutes after we had arrived I heard a terrible noise at the rear of the train. Upon investigation I found the shadow had just arrived."

Albert's mother had been watching him squirm as he studied his next church lesson. Finally she asked: "What is the matter, Albert?"

"Oh, mother," he exclaimed, "this catechism is awfully hard. Isn't there a kitchyism I could study?"

"Why did you give up pipe organ?"

"I felt so bloomin' childish, playing with my feet."

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"VOGUE SUITS ME"
10% Discount on Clothing to College Students

Carte du Jour
Now, Phideas Krinkle, early in his college course, would have no frills, either as regards scholarship and studies, or equipment. Hence, we found him (that is, some one did) buying a pen for \$1.37 — today only — and putting the difference between that and the price of a Parker Duofold in books—good books, too, let it be understood. And passing charitably over some profane lapses, he got along with it till graduation, and then some. We're liberal—it would make a mark when you pressed it, frequently. But Krinkle, with this penny-grasping trait, went bankrupt three years after graduation. And he never did amount to much after.
Jack Free, on the other hand, had an eye to quality, beauty, and—oh yes—quality. His second week in college found him with a Parker Duofold. Makes no difference if he did steal it—he knew what sort to steal, and the victim bought another Parker, anyway. Well, to coin a phrase, that was just like Jack, and he graduated and signed his first check with a flourish and a Parker. And, due, it must be admitted in fairness by all, to this belief and insistence on quality at all costs, he went stony broke in two years.
So there really was little advantage in the Parker Duofold over the orphan-pen, except having something decent to write with during the period mentioned.

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"On the Campus"

ENGINEERING EXPERIMENT STATION MAKING STUDY OF ROAD MAINTENANCE

An extensive study is being made, under the direction of Professor Harry Tucker of the Highway Engineering Department, of road maintenance in different counties in North Carolina. This study will require a personal inspection of maintenance work carried on in a few representative counties of the State, also the collection of all available data concerning road work in these counties. Considerable time will be required to complete this investigation, as it is difficult to obtain accurate data from some counties which do not keep records of cost of maintenance and construction.

It is intended to make, also, a study of the methods of maintenance practiced by the North Carolina Highway Department and the highway departments of other states.

The primary object of this study is to consolidate the collected data into general methods and suggestions and then distribute it in bulletin form among the several counties of the State.

It is believed that the circulation of this bulletin among the counties will be very helpful in bringing about a much better system of county road maintenance in the State.

Craven Club Makes Plans for Smoker

The regular business meeting of the Craven County Club was held in the Y. M. C. A. on Saturday, October 10, 1925. President E. G. Moore presided. There were nine members present. Plans were discussed to have a smoker for the members of the club. Every one favored this idea, but it was not definitely decided when it would be held.

The secretary reported that the club would send THE TECHNICIAN to eight high schools in Craven County. The next meeting of the club will be held Saturday, October 17, 1925.

"Where ya going?"
"Down to the pawnshop to see what time it is."
"Why the pawnshop?"
"My watch is there."

Doctor No. 1: "Did you hold the mirror to her face to see if she was still breathing?"

Doctor No. 2: "Yes; and she opened her eyes, gasped, and reached for her powder puff."

Co-ed to Ed: "Oh, what a cute tie; I wish I had a dress made out of that."

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ALUMNI NOTES

(Observations and Communications of Zippy Mack)

Max Gardner, '04, and his North Carolina State Fair have been going strong all this week and are now well-nigh things of the past. The success of the fair has been uniformly great for the past few years, and under the guidance of Max and his able co-workers it has been even better this year.

Mr. C. R. ("Red") Dillard, of the '24 Agricultural, was a visitor during the Fair and game. He is now in agricultural development and reclamation work in Pender County.

Mr. T. F. ("Francis") Stradley, of the '22 Electricals, was also a visitor. He is still with Westinghouse at Pittsburgh.

Mr. F. G. ("Fred") Elliott came down to tell us that he is now in real estate and insurance in Charlotte.

The boys' judging teams have brought a host of old State College men back to Raleigh. Among the ones we have seen are: Beason, '25; Stone, '25; Sheffield, '20; Wallis, '25; Alfred, '23; Glenn, '25; Johnson, '22; Wright, '24; Keys, '23; Satterwhite, '24; Veazey, '22; Harril, '22; Taylor, '23; Smith, '25. There are naturally a great many others, both as judging team coaches and as visitors, but the editor just won't give us time to see them all. Perhaps we can see more of them later and mention it next week.

Carolina Defeats State in Fair Week Classic

(Continued from page 1.)

State staged rally after rally, but their passes were either broken up or intercepted; they couldn't gain through the line or around the flank, or their men were tackled for losses at critical moments.

In the first period the Techmen seemed certain of a score. Cutting loose with a daring aerial attack that swept Carolina off their feet, they carried the ball from the 45-yard line to the 8-yard line and passed, only to have the ball grounded in the end zone.

Throughout the contest State fought gamely with their backs to the wall, and battled fiercely for every inch of ground they had to give up. At times they would come into their own and try desperately to begin a lasting offensive, but it seemed that Carolina was always on hand to pull a come-back.

McDowall, State's brilliant halfback, shared honors with Underwood as star of the game. McDowall's passing, punting, and running, and Underwood's terrific plunging ability stood out as the features of the game. "Big Nick" Nicholson comes in for a place in the spotlight, for his deadly tackling brought forth many bursts of applause from the fans. Besides Underwood, Ferrell and Captain McIver showed up well for Carolina.

State completed four out of twelve passes, having four grounded and four intercepted. Carolina completed two out of six tries, having two downed and two intercepted. McDowall averaged 45 yards on his punts, while Sparrow and Underwood averaged 39 yards.

First Quarter
Carolina won the toss and elected to receive. W. Shuford kicked to 10-yard line. Sparrow ran it back to the 31-yard line. Underwood made first down around right end. Sparrow, 2 yards left tackle. Shuford, 6 yards over center. Sparrow kicked to 10-yard line. W. Shuford, no gain. McDowall kicks to Underwood on 50-yard line, who ran back 15 yards. Pass, Underwood to Dotterer, 25 yards, putting ball on State's 22-yard line. Carolina made first down. Underwood, left tackle 5 yards. Sparrow tried drop-kick from 25-yard line, but failed. State's ball. McDowall punts to 44-yard line. Underwood downed in tracks. Watkins recovered fumble on 45-yard line. McDowall crashes line for 3 yards. Pass, McDowall to C. Shuford, netted 7 yards and first down. Pass, McDowall to C. Shuford, 4 yards. Pass, Jennette to W. Shuford, 10 yards and first down. Pass, incomplete, Jennette to C. Shuford. Pass, McDowall to Watkins, for 20 yards, placing ball on Carolina's 5-yard line. W. Shuford lost three yards. Pass, grounded in end zone, thrown by McDowall with no one to receive. Carolina's ball on 20-yard

line. Sparrow punted 35 yards to McDowall. Delayed pass, C. Shuford to McDowall, 12 yards and first down. Pass intercepted by Ferrell, thrown by Jennette to McDowall on 48-yard line. Shuford over for 4 yards. Quarter up. State 0; Carolina 0.

Second Quarter

Sparrow punted 45 yards to McDowall, who ran it back 25 yards. McDowall punted 55 yards to Carolina's 9-yard line. Sparrow punted 45 yards to McDowall, who ran it back 15. Pass, intercepted by Shuford on 43-yard line. Underwood, first down, right end. Ferrell, first down over center. Izor, 6 yards, right tackle, placing ball on State's 12-yard line. Carolina penalized 5 yards. Izor, 5 yards over center, placing ball back on 12-yard line. Underwood, 4 yards off tackle. Underwood secures field goal from 15-yard line. State kicked to 5-yard line; Ferrell brought it back 10 yards. Izor punted 60 yards out of bounds. McDowall punted 40 yards to Underwood, who ran it back 20. Pass, broken up by McDowall on 30-yard line. Pass, grounded, Underwood to Ferrell, as half ended. Score: N. C. State 0; Carolina 3.

Third Quarter

Carolina received ball on 15-yard line, Underwood bringing it back to 53-yard line. Ferrell, off tackle for 8 yards. Underwood, over for first down. Shuford, left end for 17 yards and first down. Izor, 5 yards, left tackle, placing ball on State's 5-yard line. Pass, Underwood to McMurray, 10 yards, and touchdown. Underwood secured try for point from placement. Carolina runs ball back to 40-yard line after receiving kick-off. State recovers fumble on Carolina's 20-yard line. Jennette, 9 yards, left tackle. C. Shuford, no gain. McDowall punted 45 yards to Ferrell, who ran it back to State's 30-yard line as quarter ended. N. C. State 0; Carolina 10.

Fourth Quarter

Shuford, over for first down. Ferrell registered another first down, placing ball on State's 3-yard line. Ferrell lost 2 yards, and Carolina was penalized 5 yards for off sides. Donnell blocked Underwood's attempted field goal and recovered ball on own 12-yard line. McDowall punted 38 yards to Underwood, who brought it back to 28-yard line. Underwood, 7 yards off tackle. Fordham, first down. Young, 4 yards off tackle. Fordham, first down, left end. Fordham places ball on 1-yard line. Fordham then ploughed through for touchdown. Underwood secured try for point from placement. Carolina kicked to 15-yard line; Jennette brought it back to 30-yard line. Hunsucker missed a 40-yard pass from McDowall. Fordham intercepted a pass and ran 45 yards. Johnson intercepted pass on 12-yard line. McDowall punted to mid-field. Underwood circled left end for five yards as game ended. N. C. State 0; Carolina 17.

State (0)	Position	Carolina (17)
Kilgore	L. E.	McMurray
Lambe	L. T.	Morehead
Donnell	L. G.	Braswell
Logan	C.	McIver (Capt.)
Nicholson	R. G.	Whisnant
Bynum	R. T.	Robertson
Watkins	R. E.	Dotterer
Jennette	Q. B.	Sparrow
C. Shuford	L. H.	Underwood
McDowall	R. H.	Ferrell
W. Shuford	F. B.	Shuford

Substitutions—State: Donnell for

Hunnicut: Austin for Kilgore; Anthony for Bynum; Johnson for C. Shuford; Wilson for Lambe.

Carolina: Sides for Sparrow; Izor for Sides.

POSTOFFICE SUB-STATION AT THE FAIR THIS WEEK

Owing to the increase in the volume of mail during Fair Week the local postoffice has established a temporary substation at the State Fair grounds. This substation has proven its worth during the past few years in the service and untold convenience which it has rendered the public. It is especially convenient to the fair followers, as the majority of their artificial birds, balloons, and other souvenirs are delivered at this station.

The establishment of "Station A"

carries with it another advantage besides the service rendered to the Fair goers. It helps relieve the congested condition which was usually prevalent at the Raleigh postoffice before the establishment of this substation was approved by the department. Relieving the congestion at the local postoffice means the maintenance of the high standard of efficient service which is the goal of the postal department.

Dragged (dreamily): "I love to dance with you."

Dragger (drowsily): "Whatcha want this time—eat, drink, smoke, or ride?"

"What was Adam's favorite song?"
"There's Only One Girl in the World for Me."

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COMPLETE RETURNS OF REGISTRATION TO DATE

For the last two weeks registration has dropped off considerably. Verbally there is always a calm after a storm.

To date, October 2, there is an enrollment of 1,396 students in this College. Twelve hundred and seventy-five are resident students and 121 are correspondence students.

The following are itemized lists of students in different classes and schools:

By classes:	
Graduates	53
Seniors	181
Juniors	165
Sophomores	324
Freshmen	519
Specials	33
	1,275
By schools:	
Graduates	53
Agriculture	148
Engineering	584
Textile	124
Science and Business	366
	1,275

The above summary of enrollment in this college, as compared with last year's summary on October 2, shows a gain of 114 regular college students.

On October 2, 1924, there were enrolled 1,308 students; of this number there were 147 rehabilitation students of sub-college grade. These men for the most part did not live in college.

This statement shows an enrollment at this time of 20 more students in college classes above the enrollment for the entire year of 1924-1925.

Taking the increase on October 2, 1925, until the end of this scholastic year we may hope to have a total enrollment somewhat above 1,360 students.

At this date, graduate registrations are coming in slowly as we have only 53 enrolled. It may be that graduate registrations still to be made will carry the total enrollment to 1,375 students.

There is a clear shortage in the Junior Class of this year as compared with the Junior Class of last year of 33 students. There is also a loss of 97 students in the present Junior Class as compared with last year's Sophomore Class.

At this date there are 69 more Sophomores than there were Sophomores last year at this date.

The apparent losses are in the Junior and Graduate classes, and the gains are in the Senior, Sophomore, and Freshman classes.

The prospective graduates to receive advanced degrees in 1926 are 181 men. The number of graduates receiving advanced degrees in 1925 were 127 men.

PURE-BRED JERSEY CATTLE CLUB'S ANNUAL MEETING

Breeders and owners of pure-bred Jersey cattle in North Carolina, comprising the membership of the State Jersey Cattle Club, will meet Wednesday, November 4, at 8 p. m. in the Chamber of Commerce rooms at Charlotte for the annual banquet, election of officers and general business meeting of the club. On Thursday, November 5, the cattle club will hold its annual sale of pure-bred cattle according to an announcement by Prof. R. H. Ruffner, head of the Department of Animal Husbandry at State College and secretary of the North Carolina Jersey Cattle Club.

"The members of our club will see forty choice, registered pure-bred Jersey cows, fifteen heifers and five bulls," says Prof. Ruffner. "These are all North Carolina raised animals, bred and reared by some of the leading dairy farmers in the State. The sale will be held for the purpose of distributing this good blood among other farmers in an effort to build up and improve the dairy cattle of the State."

Prof. Ruffner states that the committee in charge of this sale has just completed a tour of the State, visiting all of the leading herds, and has selected a high class of animals to be consigned. Wherever the committee went, says Prof. Ruffner, they found the breeders enthusiastic about the coming meeting and sale. A large attendance of the best farmers in North Carolina is expected.

Dear Old Lady (with a view to a little moral teaching): "Now, do either of you little boys say naughty words?"

Elder Brother: "Well, mum, I ain't much of a hand at it myself, but young Bill here is a treat. Cuss for the lady, Bill."

"Where did you learn to sing?"
"In a correspondence school."
"Well, some of your lessons must have been lost in the mail."

Kampus Komics

Interesting conversation between Frank Capps and nurse, who is about to announce a new arrival to his family:
Frank: "Quick; am I a father or a mother?"

At the Fair

Is the bearded lady your mamma?
No; she's my daddy.

Stewed: Wanna drink, offisher?
Hard-boiled Cop: Say, where do you get that stuff?
Stewed: Besh-boo'legger in town, offisher.

Dressing Salad

Adam: Say, Eve, was that my suit you threw in the salad?

Freshman (in cafeteria, after he has taken some olives): Who in the heck put salt on these plums?

"That bull of yours tossed me over the fence."

"Sorry, lady. Have you anything red about you?"

"Well, I can't exactly say, but it feels as if there might be."

St. Mary's: I want to get a fashionable skirt.

Saleslady: Yes, madam; do you want it too tight or too short?

After the Game

Barber: If you don't hold your head up I can't shave you.

Bon Ton: All right; give me a haircut, then.

Jonah: How far are we away from land?

Whale: Three hundred miles.
Jonah: Don't leave me, big boy.

"Watch your step, Miss," cautioned the conductor.

Meredith Senior: It isn't necessary; those sapheads on the curb are doing that for me.

The man that invented near-beer certainly was a poor judge of distance.

Important Discovery

The way to keep the smell of onions off your breath is not to eat onions.

Prof. Metcalf: What is a cell composed of?

Freshman: Iron bars and a cement door.

Women in China never kiss.
They'll tell you the same thing here, too.

Temperance Lecturer: If I lead a donkey up to a pail of water and a pail of beer, which will he choose to drink?

Soak: The water.
T. L.: Why?
Soak: Because he is an ass.

Father: "If you are good I'll give you a nice, new, shiny quarter."

Bobby: "Haven't you got a horrid, dirty, old dollar bill instead?"

Student: "Shakespeare says there's nothing in a name."

Boob: "Whose check was he trying to cash?"

Luck (to aviator who had just fallen): "Didja have an accident?"

Aviator: "Oh, no; I just came down to lay an egg."

"When the black bull tossed you over the fence you said you'd get even, but I haven't heard of anything happening to that big black bull yet."

"Maybe you didn't, but I kicked the daylight out of the little brown calf and said, 'Now, go and tell your father about that!'"

I got a cat named Santy.
Does Santy scratch?
No; Santy Claws.

"I can read your mind just like a book," the professor was droning.

"Well, why don't you go there?"
drawled a cynic in the rear seat.

Forewarned

"If I had known what a fool you were I would never have married you," stormed Mrs. Knaggs.

"You might have guessed it, my dear, when I proposed to you," protested her spouse mildly.

When I was a very small boy an old ducky asked me where my daddy was.

"He is in Raleigh in the Legislature,"

I replied. She looked troubled, then inquired confidentially: "Come on, honey; tell me what's he in fur."

"Mother uses cold cream;
Father uses lather;
My girl uses powder;
At least, that's what I gather."

"Why, it's only six o'clock. I told you to come after supper."
"That's what I came after."

A Sure Way

Him: "Haven't we met before?"
Her: "Kiss me and I'll see."

"What impressed you most in France?"

"I think it was the bands. They played the French 'Mayonnaise' so beautifully."

A Freshman off at school wired his father: "No mon; no fun; your son."

The answer read: "Too bad; how sad; your dad."

Boys, Remember!

He who fights and runs away
Lives to fight another day.
But he who courts and does not wed
Finds himself in court instead.

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Diet During Athletic Training.
How to Study Modern Languages.
How to Study Science, Literature, etc.
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After College, What?
Developing Concentration and Efficiency.
etc., etc., etc., etc., etc., etc.
Why You Need This Guide
"It is safe to say that failure to guide and direct study is the weak point in the whole educational machine."—Prof. G. M. Whipple, U. of Michigan.
"The successful men in college do not seem to be very happy. Most of them, especially the athletes, are overworked."—Prof. H. S. Canby, Yale.
"Misdirected labor, though honest and well intentioned, may lead to naught. Among the most important things for the student to learn is how to study. Without knowledge of this his labor may be largely in vain."—Prof. G. F. Swain, M. I. T.
"To students who have never learned 'How to Study' work is very often a chastisement, a flagellation, and an insuperable obstacle to contentment."—Prof. A. Inglis, Harvard.
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"Make Yourself at Home on the Cars"

Dear Folks:

Every once in a while, when a group of us carmen get together, some fellow brings up the question of how riders and employes should act on street cars.

They seem to feel that there should be some special rules of conduct which should apply.

I've thought it over a good while, and now I've framed a sort of slogan which I have been passing around. It is this:

"Let's all be as polite on this car as we would be in our own homes."

There are mighty few carmen who wouldn't be courteous to you if you called on them in their homes.

Maybe the slogan fits the passenger, too. Whether guests or host in a house, we all would be polite.

That's why I say to carmen and passengers, "Make yourselves at home."

—I thank you.

Traction Tom

For
CAROLINA POWER & LIGHT COMPANY
Friday, October 16, 1925.

Alpha Zeta Holds Fair Week Banquet

R. W. Scott, Charter Member of the Chapter, Makes an Interesting Address

The annual Fair Week banquet of the fraternity of Alpha Zeta was held Wednesday night, October 14, 1925, in the College Y. M. C. A. There was a large number of alumni members present. Mr. R. W. Scott, of Bolton, N. C., who graduated twenty years ago, in a short address reviewed the founding of the Chapter. Mr. Scott is one of the charter members of the fraternity. Other chapters represented were: Babcock Chapter, University of Wisconsin; Arkansas Chapter, University of Arkansas; Morrow Chapter, University of Illinois, and Morrill Chapter, Penn State.

Alumni members present were: J. B. Gordon, H. H. Gordon, J. M. Henley, L. R. Harrill, S. J. Kirby, A. H. Veazey, R. B. Etheridge, L. L. McLendon, L. F. Koonce, L. O. Armstrong, C. L. Newman, E. C. Tatum, A. M. Woodside, S. R. Wallis, J. M. McGougan, F. E. Lutz, E. B. Morrow, T. O. Evans, N. M. Smith, J. A. Arey, E. C. Blair, T. T. Brown, M. L. Tatum, R. W. Scott, C. L. Walton, and S. L. Daughttridge.

Members of other chapters were: L. H. McKay, G. O. Randall, J. P. Pillsbury, and I. O. Schaub.

Active members present were: H. W. Taylor, J. G. Weaver, J. P. Shaw, E. G. Moore, R. R. Fountain, C. B. Brown, J. E. Foster, and D. C. Worth.

"I hear that Hank had an accident."
"Yes. Some one gave him a bear cub, and said it would eat off his hand."
"Well?"
"It did."

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INVICTUS

Out of the night that covers me,
Black as the Pit from pole to pole,
I thank whatever gods may be
For my unconquerable soul.

In the fell clutch of circumstance
I have not winced nor cried aloud.
Under the bludgeonings of chance
My head is bloody, but unbowed.

Beyond this place of wrath and tears
Looms but the Horror of the shade,
And yet the menace of the years
Finds, and shall find, me unafraid.

It matters not how straight the gate,
How charged with punishments the scroll,
I am the master of my fate;
I am the captain of my soul.

—William Ernest Henley.

State College Club Reception

The State College Woman's Club entertained the members of the faculty and their wives from 8 to 11 o'clock in the College Y. M. C. A. Friday night.

The college colors of red and white were carried out in the decorations.

After several interesting games, a State College exhibit was held, consisting of exhibits from different departments of the college. Prof. Mayer won the first prize, and Miss Bridgers won the booby.

Ice cream and wafers carrying out the college colors were served.

Bush Nash of Goldsboro was up for the South Carolina-State game.

Herman Curtis was on the campus with fraternity brothers a few days ago.

Sam Wallis, who is now Assistant County Agent of Buncombe County, came down for the State Fair.

Roy Whitson went to Asheville this past week-end to spend a few days with his parents.

Joe Powell was in Tarboro for the week-end.

James Crane spent the week-end with his parents in Tarboro.

T. F. Stradley ('22) and W. M. Har-

rison, of the University of Arkansas, who are now with Westinghouse Electric and Mfg. Co. at Pittsburgh, Penn., were down for the Carolina-State game. They returned by way of Asheville, N. C., stopping over a few days with friends and relatives.

MEREDITH NEWS

Meredith is proud to name Colonel Olds as one of her best friends. Without him we should lack all the sight-seeing trips which make our Sunday afternoons a pleasure. Several times since the opening of school Colonel Olds has taken parties of our girls to visit the different places of interest in the city. Friday afternoon, October 9, those of the students who were interested in art were taken to see the churches of Raleigh, and also the home of Mrs. Hilliard on Hillsboro Street. This trip was particularly instructive, since the churches include some very good examples of architecture, and Mrs. Hilliard owns a number of art gems.

Saturday evening, October 10, the societies held their exercises for the purpose of taking in the new students. The Philaretians welcomed eighty members from the Freshman class besides several upper-classmen. The Astrotektons got a hundred new girls and some town girls who had not belonged before. Every one seems to be quite satisfied with her choice, although some of the new Astros are bearing a few slight bruises.

Monday, October 5, the Meredith alumnae of the city met at the home of Mrs. B. Moore Parker, where they were entertained. The college faculty was also invited to be present.

The growth of the Alumna Association has been such that the need of an Alumna Secretary has become urgent. Miss Susie Herring, '24, who was a member of the faculty during the past year, has been elected to this position.

The girls for the Annual statistics have been voted upon by the classes, but have not yet been fully decided upon. Their names and what they represent will be announced later.

An error was made last week about the date of the first concert under the auspices of the Woman's Club. The violin recital by Florence Sterne will take place Tuesday evening, October 20, in the Auditorium.

LEONE WARRICK.

AN ELECTRIC DRIVE FOR GASOLINE MOTOR CARS

A very interesting device is being tested by the Engineering Experiment Station in the dynamo laboratory in Winston Hall. The test consists of operating two series wound direct current dynamos, using one as a generator to furnish current to the other which operates a motor. A series dynamo is one in which the field and armature windings are connected in series so that the same electric current flows through both.

The past summer considerable time was given to making very careful calculations of this operation of these two dynamos and the deduction of a formula, showing the relative speeds of the two machines at different values of the electric current. The object of the present test is to verify the calculated results. It is almost startling to see how closely the test checks the calculated results.

A third test truck using this form of the electric drive is to be constructed in connection with the co-operative project of the State Highway Commission and the Engineering Experiment Station, to determine accurately the power and tractive effort required by motor vehicles on different road surfaces in North Carolina. This test truck will have a gasoline engine driving a series electric generator which supplies electricity to two series motors connected in place of the usual gasoline engine. This places an electrical connection between the gasoline engine and the driving wheels which may be used as an electric drive for automobiles and motor trucks in place of the clutch, transmission, differential, and fly-wheel. With this arrangement, the speed of the truck and its starting is controlled by a foot throttle in the usual way. The flexibility of the electric drive relieves the machinery of shock and sudden strain which often occur with usual mechanical drive. The differential can be eliminated by using two motors, each separately driving a rear wheel. Four separate motors could be used for a four-wheel drive. The Philadelphia

Rural Transit Company is operating two hundred (200) large passenger buses equipped with the General Electric Company's electric drive, which is similar to the arrangement described above except that a differential generator is used instead of a series generator.

The electric drive has many advantages, particularly in prolonging the life of the driving machinery of the motor vehicle and reducing the cost of repairs and depreciation, so much so that we may expect the future development of the electric drive not only for buses, but also for motor trucks and passenger cars.—James Fontaine, Research Assistant, Engineering Experiment Station.

The Hen Coop Raid
Fleeing Darkey: "Laws, Mose, why do you s'pose them flies follow us so close?"
"Them ain't flies. Them's buck-shot."

Professor talking to a group of boys: "What do the students call the professors around the campus?"
One student: I call them doctor.
Another student: I call them mister.
An "A" student: There are one or two I call dumb-bell.

Professor: I suppose the ones you call the dumb-bells are the ones you know very well.

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The Engineering Experiment Station has recently purchased two (2) Winch Motors, with control equipment. These are to be placed in the Electrical Engineering Laboratory.

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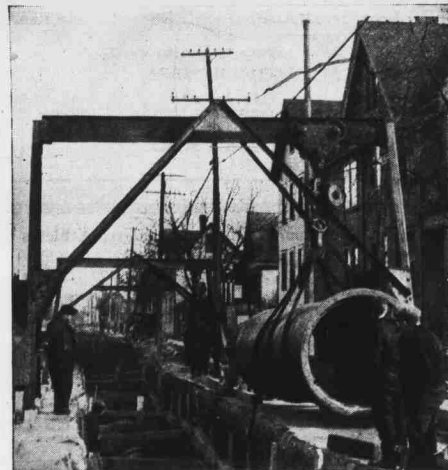
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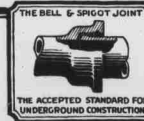
IN connection with a new pumping station at Milwaukee, Wisconsin, additional feeder mains were required. It was necessary that one of these should carry an unusually large proportion of the water supply, and 54-inch pipe was decided upon. Although pipe of material other than cast iron had a lower first cost, Cast Iron Pipe was chosen because the possibility of interruption to service had to be reduced to a minimum.

The photograph above shows a section of pipe being lowered into the ditch in the process of laying it.

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