

BEAT WAKE FOREST!!

THE TECHNICIAN

of NORTH CAROLINA STATE COLLEGE

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STATE COLLEGE STATION, RALEIGH, N. C., OCTOBER 19, 1945

Offices: 10 and 11 Tompkins Hall



Wolfpack Host To Deacons Tomorrow Night

Dad's Day To Be Feature Of Football Game

Dads Of All Students Urged To Attend Event

Tomorrow State College plays host to the most popular group of people that could possibly be invited to the campus—people who are very much interested in the college, yet often know little about it.

The dads and mothers of the students will find the entire campus awaiting their visit. Signs of welcome will be displayed and the fraternities and dormitories will have open house during the afternoon.

Upon arrival, the guests have been requested to register at the YMCA lobby. Several coeds have volunteered to act as registrars for the afternoon. Their names are: Caroline Brunson, Eloise Demery, Louise Overton, Pamela Goodwill, and Jamie James. Red and white ribbons will be pinned upon the visitors by the girls at this time.

The big event of the day will be the football clash in Riddick Stadium Saturday night between State and Wake Forest. Beginning at eight o'clock, the game will be the most important one played in the state this weekend. At the half-time, Major Kutschinski has planned a program for his band which will include the formation of DADS on the field and a rendition of the tune "Daddy."

At this same time, student sponsors from both schools will be introduced. A short welcome speech will be made by Chancellor J. W. Hargraves and a representative from the Wake Forest faculty, Bill Roe, president of the Veterans' Club, will recognize the members of the Raleigh War Dads' Association which has been invited to attend our Dads' Day program by the Vets. Credit for getting out the letters to dads of all the students also goes to the strong organization recently formed by the student veterans of World War II on the campus. Master of ceremonies will be the president of the student council.

Coaches from each school sponsoring the game will meet at the YMCA at 6:15 p.m., where the girls will be given flowers and the group will proceed to the college cafeteria to dine together in the private dining room.

A year before, Dads' Day has been held in conjunction with State College-Raleigh Day and the occasion has been a gala event. This year arrangements have necessarily been not so elaborate, but having the dads is most important and State College expects to roll out the red carpet.

Silver Star Medals Presented At State

Two Raleigh soldiers, both of whom died gallantly in the service of their country during World War II, were honored in a military ceremony at State College recently.

Silver Star medals were posthumously awarded to Staff Sgt. Thomas A. Poole and Cpl. Darius M. Blinson. Mrs. Blinson of Raleigh, widow of the hero, received the award for her late husband, and J. Gregory Poole of Raleigh, a brother of Sgt. Poole, accepted the honor for his relative.

Cdr. Douglas N. McMillin, commanding officer of the State College Department of Military Science and Tactics, made the presentations on behalf of the War Department. Assisting with the ceremonies was Major Herman H. Vestal, adjutant of the College's Department of Military Science and Tactics.

Dr. C. L. Newcombe Is Guest Speaker Here

An enlarged program of research and the establishment of a School of Conservation, embracing strong research and teaching programs in its biological and physiological departments, were cited as two of the main needs in advancing the development of the South's rich store of natural resources by Dr. Curtis L. Newcombe, director of the Virginia Fisheries Laboratory and professor of biology at the College of William and Mary, in an address at State College Thursday.

Dr. Newcombe spoke at the morning session of the State Garden Club's one-day conference on conservation at the State College YMCA. He was introduced by Dr. S. P. Metcalf, head of the State College Department of Zoology.

The South, Dr. Newcombe said, has not given "academic dignity" to its studies in conservation, and a school should be "autitely located in one of the major colleges or universities in the Southern States," he declared.

"Aggressive leadership, inspired by sound biological thinking and dominated by a true appreciation of natural beauties and nature's wonders, is needed today as never before. Seeds for the growth of a great idea or for the initiation of a revival of conservation activity are germinated in just such a conference as this one," the speaker asserted.

The Virginia educator, a former member of the faculty at the University of Toronto, also stressed the need for a strengthened program of biological research "to provide a sound basis for an effective system of wild life management so as to assure the preservation of our natural areas and our natural resources."

Dr. Newcombe emphasized the threats made upon national parks and monuments as a result of mining interests, the extension of ranges, and demands for timber for airplanes.

The speaker also reviewed the value and importance of the nation's parks and monuments and the significance of their preservation.

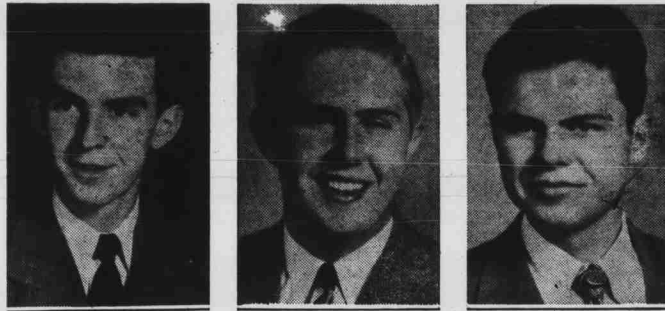
Turning to governmental aid for conservation and education, Dr. Newcombe stated: "Aid is needed to help improve the content and objectives of conservation instruction. Much knowledge in this field has been contributed during recent years and, as a result, variation in the subject matter of the course and in its presentation occurs, depending largely upon the individual teacher and the locale of the school. The scope of the field is no broader than the horizon of the individual."

Conservation education is a fundamental matter and concerns every citizen. It is the kind of education that stops with a June convocation or the high school diploma awards. It is, in one respect, a stimulating creed or formula which gives unity, balance, and purpose to nature's smallest, as well as greatest, living processes.

"The purpose of conservation education is a democratic one. It recognizes the rights of all animals to co-existence with men, to life under the conditions of nature which they regard as home. It aims to develop a broad appreciation of nature for the betterment of peoples everywhere. It may include methods of preservation, of controlling, of utilizing, of protecting, and of building up natural populations. It tells how the biotic community lives, grows, reproduces, and dies. It demonstrates natural interrelationships existing between animals and plants, and illustrates how one animal or plant may be dependent upon another animal or another plant for food or for protection."

(Continued on Page 4)

Interfraternity Council Officers



Pictured above are the officers of the North Carolina State College Interfraternity Council. They are from left to right, Bill Gupton of High Point, president; C. A. Dillon, Jr. of Raleigh, vice president; John Holloway of Raleigh, secretary. Gupton is a member of the Sigma Pi Fraternity, Dillon a member of Pi Kappa Alpha, and Holloway a member of Sigma Phi Epsilon.

New Head Of Chemical Engineering Appointed

Dr. Edward N. Schoenborn, Jr., associate professor of chemical engineering at the University of Delaware, has been appointed as head of the Department of Chemical Engineering at State College and will assume his duties at the college on November 1. It has been announced by Dean J. H. Lampe, head of the College's School of Engineering.

The new department head, a graduate of Ohio State University, is known nationally for his work as an educator, engineer, chemist, research expert, and industrial consultant and has been recommended for the State College post by eminent engineers, college and university officials, and by leaders of some of America's giant industries.

A State College faculty committee endorsed the appointment of

Dr. Schoenborn, who has directed a large number of chemical engineering research projects, and the committee's recommendation was approved by Chancellor J. W. Hargraves of State College and the executive committee of the Board of Trustees of the Greater University of North Carolina.

Dr. Schoenborn, who is 36 years old and a native of Ohio, received his Ph.D. degree from Ohio State in August of 1941. He has steadily advanced from the rank of instructor to the title of associate professor on the faculty of the University of Delaware, where he has been teaching and conducting research work since 1935.

The new faculty member has published a wide range of technical (Continued on Page 3)

Jefferson, Welding Expert, Is Featured At ASME Meeting

T. B. Jefferson, an expert in the welding industry, was formally introduced to the student branch of the American Society of Mechanical Engineering by Professor Cope in the bi-weekly meeting Tuesday night. Mr. Jefferson is now the editor of Welding Engineer, a national publication dealing with the development and advancement of welding in the field of engineering.

Mr. Jefferson, a mechanical graduate of the University of Kansas, delivered a very interesting technical discussion on the advancement made by employing welding in the ship yards, tank factories, and machine companies during the war. He stated several instances (Continued on Page 4)

State Squad Undergoes Major Changes

25 Students Enroll In New Industrial Statistics Course

Twenty-five people were enrolled in a 10-day course in industrial statistics which began at State College last Tuesday. In conjunction with the course in statistics, quality control is also going to be studied. Professor Gertrude M. Cox of the Institute of Statistics at State College is directing the program which is providing training for representatives from 23 large companies. Also on the staff are Mr. Charles A. Bicking, Quality Control Engineer, Hercules Powder Co., Wilmington, Del.; Professor J. M. Clarkson, from the Department of Mathematics at State College; Dr. W. Edwards Deming, Mathematical Adviser, Bureau of the Budget, Washington, D. C.; Professor Ralph Hefner, Department of Mathematics, Georgia School of Technology, Atlanta, Ga.; and Mr. Paul Peach, Industrial Statistician at State College.

Daily sessions of the course begin at 8:45 a.m. and end at 5:00 p.m. Each session consists of six one-hour periods, with 15-minute intermissions between periods. The course will end on October 26 when certificates will be awarded and a meeting of the North Carolina Quality Control Society held.

Members of the course and the companies they represent are as follows: R. L. Bishop, Eastman Kodak Co., Rochester, N. Y.; F. R. Bridgford, Virginia-Carolina Chemical Corp., Richmond, Va.; J. D. Brooks, North American Rayon Corp., Elizabethton, Tenn.; E. O. Bryant, Ecusta Paper Corp., Pisgah Forest, N. C.; J. E. Dunson, Excelsior Woolen Mills (Derringer-Woolen, Inc.), Greensboro, N. C.; E. A. Feinster, Eagle and Phenix Mills, Columbus, Ga.; Leslie Gillette, Sharples Chemical Co., Inc., Wyandotte, Mich.; Mrs. Helen M. Higdon, Burlington Mills Corp., Greensboro, N. C.; C. G. Hostrander, Corning Glass Works, Corning, N. Y.; R. E. Hettler, The Texas Co., Fort Arthur, Tex.; I. C. Kepner, International Business Machines Corp., Endicott, N. Y.; Miss Virginia J. Lewis, American Lava Corp., Chattanooga, Tenn.; B. H. Lloyd, Ontario Research Foundation, Toronto, Ont.; Fred Miller, P. R. Mallory & Co., Inc., Indianapolis, Ind.; F. H. Paulson, Norton Co., Worcester, Mass.; J. P. Powell, Marshall Field & Co. Mfg. Division, Spray, N. C.; L. W. Reinhart, Andrew Jergens Co., Cincinnati, Ohio; H. J. Richardson, Penberthy Injector Co., Detroit, Mich.; J. W. Shipley, Davison Chemical Corp., Baltimore, Md.; L. B. Tansey, P. R. Mallory & Co., Inc., Indianapolis, Ind.; G. E. Tysor, Charlton-Hosier Mills, Inc., Charlotte, N. C.; G. L. Williamson, Corning Glass Works of Canada, Ltd., Corning, N. Y.; and L. B. Wilson, P. R. Mallory Co., Indianapolis, Ind.

State College's Wolfpack, headed for its third Southern Conference game, staged a kicking scrimmage Tuesday afternoon and heard a lecture from Coach Beattie Feathers at a skull session that night as the local eleven intensified its preparatory work for Saturday night's engagement with Wake Forest in Riddick Stadium.

"We realize that we are confronted with the toughest assignment of the year," Coach Feathers commented. "Our boys are coming along all right, but we still have plenty of work to accomplish before we will be ready for the strong Wake Forest team. I am convinced that it will be a tough ball game."

Cocking an appraising eye at his proteges, the slow-talking State coach said that all of his players emerged from the VMI-State clash, which the Wolfpack lost, 21-14, without any additional injuries and that his regular starting lineup will be ready to operate against the Deacons.

In a move calculated to fortify the State outfit's forward wall, Coach Feathers announced Tuesday that he plans to switch Tony Gaeta of Staten Island, N. Y., from his berth at right guard to right tackle and that Paul Gibson of Winston-Salem would be moved from the left flank to left tackle. The slot vacated by Gaeta will probably be filled by Julian Rattle of Durham or John Scarpa of Ansonia, Conn. Bobby Courts of Reidsville, who has been holding down the No. 2 spot at the left terminal, will be advanced to Gibson's old post.

Feathers, who watched Coach Peahnd Walker's boys as they battled Duke last Saturday declared: "Wake Forest looked good in defeat. Coach Walker has a fine team. The Deacons are going to provide some trouble for us, but the game should be an interesting exhibition of football."

The Wolfpack, loser in three of four starts this season, will use the T-formation and the Tennessee style of attack as its main weapons of offense against the Deacons, who are rated as the favorites to extend to seven their current winning streak over the State eleven.

Sutton Talks To Chemical Engineers

Those present at the second meeting of the A.I.Ch.E. enjoyed a most unusual talk by Dr. P. P. Sutton, assistant professor of chemistry, physics, and all engineering. Dr. Sutton proceeded to give a history of them.

Numbers are useful things, but they are hard to define. Even primitive man could count on his fingers, Dr. Sutton continued, but he was not so advanced in numbers as to know 6.023x10²³ or other important constants. Much mathematical investigation has been done on numbers. The Greeks presented many formulas in the mathematical field, and they tried diligently to find others, but they failed. Modern man is not much better, however, for he still searches for formulas to give all prime numbers or a parallel to the Pythagorean Theorem raised to some power.

Despite the infinite number of positive integers, man found it necessary to expand his number systems. Negative numbers were introduced to enlarge the system as were fractions. Dr. Sutton then proceeded to list three types of numbers. Algebraic numbers, we are all familiar with, as most of us are familiar with a few transcendental numbers such as pi and e. The part of the talk that really "stumped" the audience was when Dr. Sutton told about transfinite numbers. He said that there were just as many odd numbers as there are numbers of all kinds, that there are just as many points on a short line as on a line of infinite length, and that there are just as many points on the side of a square as there are in the square. Not only did he make these statements, but by simple diagrams on the blackboard (Continued on Page 4)

N. C. State's Sponsors For The Wake Forest Game



Pictured above are the sponsors of N. C. State College students for the Southern Conference football game with Wake Forest College's Demon Deacons here in Riddick Stadium on Saturday night. The sponsors, with their escorts, are: Gloria Chapman of Charlotte with L. W. (Bill) Gatlin of Charlotte, president of the State College Student Government; Elinor Hilton of Raleigh with Robert E. Wooten of Raleigh, editor of THE TECHNICIAN, campus newspaper; Virginia A. Schweitzer of Baltimore, Md., with W. K. Thornton of West Point, Va., president of the Sophomore Class; Elizabeth Mills of Raleigh with Joseph M. Monroe of Hamlet, president of the Senior Class; Betsy Buchanan of Raleigh with E. E. Gupton of High Point, president of the Interfraternity Council; and Laurice Jackson with Gene House of Scotland Neck, business manager of THE TECHNICIAN. Iris White of Plymouth, who is not pictured above, is with E. G. Bowen of Plymouth, president of the Y. M. C. A.

Concert
Sunday, 3:30 p.m.
Pullen Hall
Beethoven — String Quartet
Op. 18, No. 4
Glazounov — Interludium in
Mozart
Cesar Franck — Quintet in
F minor for piano and
string quartet
Sponsored by Mu Beta Psi
Admission Free

Notice
Anyone who has not yet had his picture taken for The Agromock, be sure and get it taken Monday, Oct. 22, between 7:00 p.m. and 10:00 p.m.

Notice
Glee Club rehearsals Monday and Wednesday, 8:00 p.m., in Pullen Hall.
Concert Orchestra rehearsals every Tuesday at 8:00 p.m. in Pullen Hall.
Band rehearsals Thursday, 6:45 p.m., and Saturday, 1:15 p.m. (gym).

Wolfpack Loses Conference Game 21-14

State College's Backfield



The pictured backfield is the combination that will represent our school in its third bid for a Southern Conference victory. Reading from left to right they are Charlie Richkus, Bobby Worst, Winston Naugler, and Howard Turner.

Cadets Hard To Stop As They Upset State

Cross Country Team Holds Time Trials

Saturday, October 13, Coach T. I. Hines started holding time trials for the 1945 version of the cross country team. These trials are to determine the men that will represent this school in intercollegiate competition. The ten men that showed up the best in the first trials were Claude Davis, K. L. Mattox, J. J. Adams, M. E. Levenson, G. P. Poteat, J. D. Wilson, J. F. Adams, F. N. Jenkins, and J. B. Scott. Three more time trials will probably be held during this month. The perspective dates for them are Tuesday, October 23; Saturday, October 27; and Tuesday, October 30. The eight runners that have the best time average for all these trials will be used by Coach Hines.

Well, we overestimated Duke, Carolina, and State last week. Duke failed to beat the Deacons by three touchdowns, Carolina couldn't hold Penn to 28 points, and State failed to win with ease over VMI—in fact, they didn't even win. In what will probably be the best game of the season, Duke's Blue Devils overpowered a game bunch of Wake Forest boys 26-19 last Saturday. The game had everything—a lot of scoring, a close contest, some good broken-field running, and some of the best passing we've seen. George Clark was undoubtedly the hero for the Methodists,

his spectacular runs proving to be the downfall of "Peahead" Walker's squad. On the other hand, Nick Sacrimony's bullet passes almost won the game for the Deacons. Rock Brinkley broke through the Duke line a number of times, but he was halted when he attempted runs when the Deacs were close to the Duke goal line. Thus, the Deacs have lost their first three games. Tomorrow night, don't be too surprised if Wake Forest tries to make up for those three losses by bowling over State.

Here are this week's predictions: Games

Table with columns for Game, Doak, Reeve, Pate, Dillon. Lists various college matchups like Wake Forest-N. C. State, Florida-Miami, West Va.-Temple, etc.

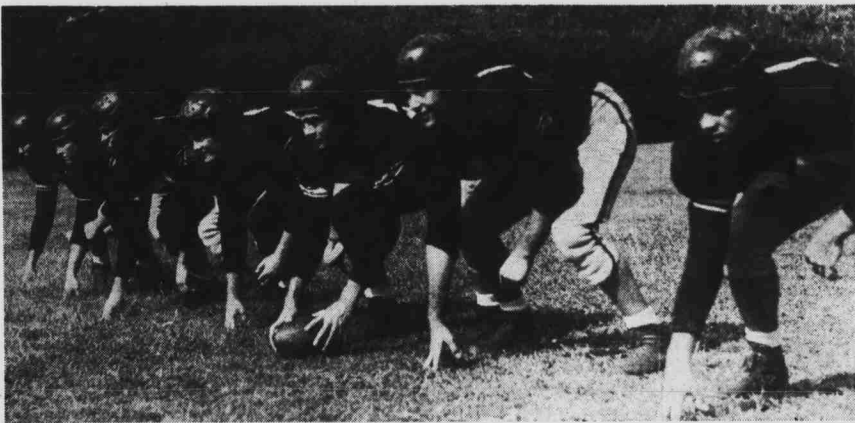
Winner of last week's tickets to the Varsity Theater was Kenneth Farmer, 109 Watauga.

THE INTRAMURAL FRONT

The fall season of intramural sports got underway Monday afternoon as two teams won tag gridiron victories and two volleyball teams advanced up the ladder in the fight for honors. One of the largest crowds of fans to witness the opening games in many seasons was on hand for Monday afternoon's contests. North Watauga defeated First Alexander, 6-0, in the first tag football game, while Third Bagwell put on the steam and rolled to a smashing 40-0 victory over First Bagwell in the other game. Watauga's win came in the third quarter when White faded back and shot a pass to Durant who raced across the strip with the score. The game-winning play covered sixty yards.

The second game was a push-over for Third Bagwell and they slammed over six touchdowns, scored a safety in the fourth period and made two extra points in the game. On the volleyball side of the picture, the competition was mostly between the fraternity clubs. The Sigmas Chi walloped the Delta Sig boys 21-14 and 21-8, in two straight games. The series is being played on a two out of three basis. Sigma Phi Epsilon won from A.L.T. by forfeit when the opponents failed to show up. From now on the volleyball games will begin at 5 o'clock on Monday and Wednesday afternoons. The change has been made because of the beginning of varsity basketball practice.

Wake Forest Line



Shown above is the Wake Forest forward wall that will take the field against the State College Wolfpack tomorrow night in Riddick Stadium at 8:00 p.m. Reading from left to right the players are John Bruno, right end; Buck Garrison, right tackle; Dick Foreman, center; Jim Harris, left guard; Dewey Hobbs, left tackle; Pricle Ratteree, right guard; and Dave Harris, left end.

WESLEY FOUNDATION TO MEET

Richard Baker, noted speaker and world traveler, will be guest speaker at the Wesley Foundation Fellowship meeting at 7:00 Sunday evening in Pullen Hall.

Mr. Baker is speaking in behalf of the World Student Service Fund, a project of vital interest to State College students. He represented the Methodist Board at the World Youth Conference in Amsterdam in 1939 and for the last two years he has been in China as professor in the Post-war School of Journalism in Chungking.

All State College men are cordially invited.

CHEM. E. HEAD

(Continued from Page 1)

papers in which he outlined and explained his scientific accomplishments, which include work on plastics, rotameter calibration, the equilibrium of miscible fluids, heat transfers, and various other subjects of particular interest to chemical engineers and engineering educators.

His professional and scientific affiliations include membership in the American Chemical Society, the American Institute of Chemical Engineers, the American Society for Testing Materials, the Society for the Promotion of Engineering Education, Sigma Xi, America's highest honor society in the general sciences, Tau Beta Pi, and the Agricultural and Industrial Relations Committee of the Eastern Regional Research Laboratory of the United States Department of Agriculture.

Typical of the many letters of endorsement of Dr. Schoenborn and industrial leaders is the following quotation from Dr. Joseph N. Koffol of Ohio State University's Department of Chemical Engineering, one of the nation's foremost departments in that field:

"If I were asked to list five outstanding students of my 17 years of contact with our Department, Professor Schoenborn's name would be one of them."

Dr. Schoenborn will succeed Dr. E. E. Randolph, who is retiring from his position but who has agreed to remain in an advisory capacity to the new department head and as a counselor to the students during the current academic year. Dr. Randolph has been head of State College's Department of Chemical Engineering since 1924 when the department was established by the Board of Trustees. He has been a member of the college's faculty since 1920.

Infirmiry Gets New Nurses

Miss Ida E. Trollinger, Supervisor of the Clark Hall Infirmiry, announced the placing of Mrs. J. B. Baucum, Miss Lelia Hayden, and Miss Myrtle Thomas on the Infirmiry staff this week. Miss Thomas, laboratory and X-ray technician, replaces Miss Olivia Buddin who was married this Fall, while Miss Hayden replaces Mrs. Imogene Boemans who resigned recently when her husband returned from overseas.

CAMPUS CENTRIFUGE

(Continued from Page 2)

student body. Language difficulties are restraints at first, but even after the boys become fluent with English, they mix very slowly with the native students. Getting to know these boys is a very valuable educational opportunity as well as a patriotic duty to the country and college.

Intense nationalism, pride of race and state, is a recognized cause of international discord. The discovery of the atomic bomb, the tremendous waste and destruction of modern war, and the disinterested science of sociology have shown the world that nations must cooperate in order to survive. Petty prejudices as to community, state, nation, or race are expressions of ignorance and the lack of self confidence.

If any of us were to attend a foreign university, we would expect the students to be very sociable. These boys do too. Our national policy to Pan America is "the good neighbor." A little neighborliness might prove beneficial to you personally; certainly, it would be a service to the college.

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* A factor that has prevented the farm income in the Carolinas from rising to its proper level in comparison with incomes of other groups, is that farmers have always purchased their farm supplies at retail prices, and then sold their produce at wholesale prices.

* More than 40,000 farmers in the Carolinas have found a solution to this problem through membership in the Farmers Cooperative Exchange—a farmer-owned and controlled manufacturing, purchasing, and marketing organization.



Farmers Cooperative Exchange

RALEIGH, NORTH CAROLINA

Notice

There will be a meeting of the Sophomore Class held next Wednesday, Oct. 24, at 12:00 noon in the YMCA auditorium.

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VARSIITY

Saturday "SHE GETS HER MAN" with Joan Davis and Leon Errol Sunday and Monday "TOGETHER AGAIN" with Irene Dunne and Charles Boyer Tuesday "BOURNE OF FEAR" with Basil Rathbone and Nigel Bruce Wednesday Universal Presents "HER LUCKY NIGHT" Thursday and Friday "DRAGON HEED" with Katherine Hepburn

