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State Observes Its Fifty-Sixth Anniversary

Textile Library One Of Best In The South

By RACHEL PENN LANE

Textiles helped to fight and win World War II. The fighting in each new quarter of the globe demanded new resources from the textile industry in the fields of clothing and equipment. Textile research found ways, among other discovering, to make fabrics waterproof and water-repellent. The American textile industry, along with its research for contribution to all-out victory, established new laboratory centers and research libraries. Outstanding among these centers are the Institute of Textile Technology at Charlotteville, Va., and the Textile Institute at La Grange, Ga. Veterans returning to the North Carolina State College will find that the School of Textiles at State, as part of its expanding program, has installed a fully-equipped textile testing laboratory, and a special library devoted to the subject of textiles. Here the undergraduate and research worker may find not only the records of the newest developments in textiles, but a large collection of background material on fundamentals of spinning, weaving, dyeing, and other phases of the subject.

The School of Textiles Department Library is on the first floor of the Textiles Building. It consists of approximately one thousand volumes, including bound volumes of the leading textile periodicals. The library is acknowledged as the second largest textile collection in the South. Although the library specializes in textiles, it contains also a collection of reference tools, ranging from the most recent edition of the Encyclopedia Britannica to the World Almanac. Scientific and technical dictionaries and handbooks are available, as well as foreign language dictionaries. Among the magazines in the library are two printed in Spanish. These are the "Revista Textil" and "Textile Review." The library maintains a file of trade catalogs from the manufacturers of textile machinery and equipment, chemicals, dyes, etc. These which have been written by former students for advanced degrees are on hand for valuable reference.

The Textile Library, as a department of the D. H. Hill Library, follows the same regulations regarding loan privileges, use of reserved books, and inter-library loan privileges. The Textile Library has separate hours, however, and is open as follows: 9-12:30, 1-5:00, on Monday through Friday; and 8:30-12:30 on Saturday mornings.

ASME Holds First Society Meeting

The student branch of the American Society of Mechanical Engineers held its first meeting of the fall term Tuesday night in room 102, Page Hall with Pat Fugate presiding. The Society has not been active during the summer term, but this inactivity did not lessen the attendance at the first meeting by welcoming the visitors to the meeting. Fugate turned the meeting over to Bob Green's office, and read the minutes of the last meeting. "Pop" Bowen made the financial report and Horace Adams, the vice-president, discussed some of the activities in which the society would probably engage in during the term such as inspection tours, parties, and interesting lectures.

The guest speaker, Professor L. L. Vaughan, Head of the Mechanical Engineering Department, was introduced and gave an interesting talk on the history of the A.S.M.E. Vaughan discussed the organization, development, and functions of the society.

The future program for the student in the Mechanical Engineering Department was also briefly discussed by Professor Vaughan. A small library has been set up in Professor Vaughan's office, and the students were invited to come in and read some of the interesting books in the collection.

After Professor Vaughan's talk the meeting was adjourned with a reminder of a meeting Thursday night for all students interested in joining the society.

NOTICE TO ALL ORGANIZATIONS

All organizations which wish to have their names and activities appear in The Technician must have their copy turned in at The Technician office by 10:00 Tuesday night if they expect it to be in the following Friday issue. Though it is not necessary, it is desirable that all copy be typed. This also applies to all notices which are to be in the newspaper.

Meeting Held By The Chemical Engineers

At the first meeting of the year, old and new members of the Chemical Engineering Department had an opportunity to hear three students tell of their experiences in working at different chemical plants during the summer. First up was Ed. Lynch, senior from Charlotte who worked for Fullbright Laboratories in Charlotte. Ed's job consisted of analyzing water from boiler systems to determine their suitability for use in the boiler systems. Water from boilers in all the Southern states went to Fullbright, or more directly to Ed Lynch for testing. In his eight minutes, Ed gave a comprehensive of the intricacies of water testing, telling what ingredients were tested for and the effect of each on the boiler.

Next in line, came Bill Daniels, junior from Henderson, who worked for duPont in Richmond this summer. In the particular locality, Bill explained, duPont has four plants, making rayon and cellophane. Bill worked in No. 2 plant, and assisted in making rayon. He explained the entire rayon process, and showed his part in the chain. Bill emphasized that his particular job called for plenty of work, but that it was an integral part of operations.

The last student speaker to appear was George Parker, senior from Murfreesboro, N. C. George, together with Bill Thomas, and other State students of former years, worked for Ray-Neer down in Fernandina, Fla. This company produced cellulose for use by duPont in Richmond. George emphasized the quality of the wood necessary for the production of cellulose by the sulfite process. It all starts with the wood, he began, and the process attempts to get the 35 per cent cellulose content of the wood into usable form. George accompanied his lecture with well-drawn illustrations on the blackboard.

Following the student's talks, Dr. B. E. Rasmussen, of the Chemical Engineering Department, welcomed back former members of the department who had been away in the Armed Forces. He also welcomed new students. One of the purposes of the AICHE is to afford an opportunity for us to get acquainted with each other, and to help each other with mutual problems, the doctor concluded.

New Courses To Be Added In Textiles

In response to a demand for more adequate training in hosiery and knit goods manufacture, the School of Textiles at N. C. State College has adopted a series of new courses organized in the form of a curriculum which enables students to specialize in this important branch of the textile industry. It was announced yesterday by Dean Malcolm E. Campbell, head of State College's School of Textiles.

The new courses, Dean Campbell said, are framed around the established methods of knit fabric structure and the fabrication of garments. In this important branch of the textile industry, it was the importance of management training also is recognized, and a liberal allotment of credits has been provided for instruction in industrial and personnel management and mill organization, including time study methods, rate setting, cost methods, economics, and accounting.

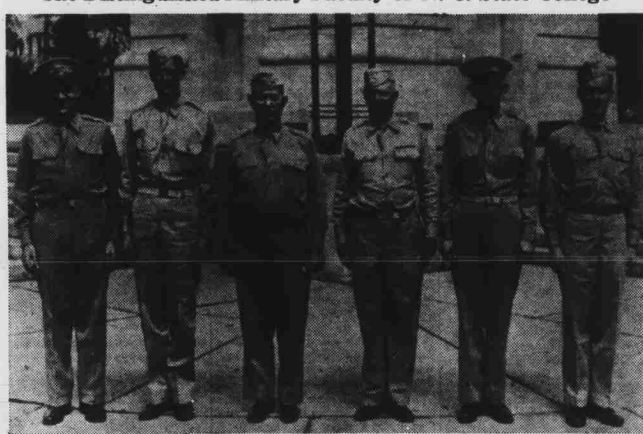
Provision also is made for training in business psychology, natural and synthetic fiber studies, and language, Dean Campbell explained. The State College educator announced that the knitting equipment of the School of Textiles is being modernized and that the latest machines for making circular-knit hosiery of all types is being installed. Two types of full-fashioned hosiery machines and a variety of latch and spring-needle body machines for garment fabrication are among the items of equipment being set up.

Facilities for warp knitting at State College will include machines of the Triot, Cidego, and Raschel types, the dean stated. Some emphasis will be placed on fabric development and on research problems of value to the knitting industry.

The new knitting courses will be available to students in the other curricula of the college. An increase has been made in the time devoted to knitting in the general curriculum in recognition of the

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The Distinguished Military Faculty of N. C. State College



The six faculty members of the N. C. State College Department of Military Science and Tactics are shown as they posed at the base of Memorial Tower, impressive monument to the State College alumni who died in World War I. State College's military department, under the direction of these officers, supervised the training of more than 5,000 infantry soldiers during war and consistently is awarded a War Department rating of "excellent" for its ROTC program. Left to right: First Lt. Vahan K. Magarian, classification officer; Capt.

Charles E. Cummings, supply officer and assistant professor of military science and tactics; Major Eugene B. Chase, officer in charge of the first ASTP battalion; Col. Douglas N. McMillan, commanding officer of all Army activities at State College and head of the Department of Military Science and Tactics; Major Herman H. Vestal, the department's adjutant; and Capt. Frederick S. Woodruff, assistant professor and coach of the rifle teams.

Officers Appointed For R.O.T.C. Unit

Officers for the R.O.T.C. are carefully selected each year from members of the sophomore, junior, and senior classes. These officers are selected because they have the necessary requirements of character, loyalty, judgment, sincerity, and military knowledge to perform their designated tasks. The officers of the State College battalion are as follows: J. E. Williams, Battalion Commander; J. C. Cowart, Adjutant; J. W. Young, Captain of H & Q (S-4); J. B. Boyter, Captain of Company A; D. M. Parker, Captain of Company B; W. T. Ray, Captain of Company C; C. Y. Jordan, Captain of Company D; and R. F. Lomax, Captain of the band. All of the regular army officers are spending most of their time with the R.O.T.C. this year.

The R.O.T.C. band met last week to complete organization and to start practice for this year's work. The purpose of this band is to play for formal parades and ceremonies of the R.O.T.C. This band is under the direction of Major Kutchinski, head of the State College music department.

Bands To Play For Football Game

Spectators at the State-Clemson game Saturday night will be treated to an extra careful and eye-filling of music and color and fancy maneuvers. Besides the State College "Redcoat" Band, the crack 95-piece Elizabeth City High School Band, resident in flashy uniforms, color guard, a platoon of high-stepping, prancing drum-majorities and all, will be on hand representing Clemson College, and will share the between-halves period with the State band in entertaining the spectators with fancy drills. Before the game, both bands, massed on the field, will play the National and State anthems.

The Elizabeth City Band, directed by Robert Simmons, is a well drilled organization, having been kept practically intact during the summer months. The "Redcoat" band, directed by Christian Kutchinski, still undrilled on account of war conditions, have not had time to get fully in their stride as yet, but they promise to have a good show ready.

ATHLETIC TICKETS

Athletic tickets are now ready for all students whose last names begin with the letters A thru K. Students must bring their registration stubs to the Registration Office to receive their tickets. The remaining students may secure their athletic tickets on Friday, Oct. 5th. Students whose last names begin with the letters L thru Z should not come on Thursday because their cards will not be ready.

It will be necessary for all students to have these tickets for the game Saturday, Oct. 6.

W. L. MAYER, Director of Registration.

W. N. Hicks Explains Campus Government

By W. N. HICKS

The indispensable college or university in the future of America is the one that succeeds in establishing balance and effectiveness in research, teaching, and the development and conservation of spiritual values. It is becoming increasingly clear in these days that the mere discovery and transmission of non-moral scientific knowledge without the effective promotion of moral progress among men and nations makes the second state of man more tragic than the first.

Practically speaking, higher education in America, especially technological education, cannot be appropriately balanced until there is, first, the proper admixture of the humanities and the social studies with the purely scientific and technical, and second, the effective organization of the extra-curricular life of the campus in such a way as to guarantee that every student has the opportunity to live normally in an atmosphere of independence and in the constant presence of the challenging best of scholarship, moral example, and spiritual aspiration. The impact of college upon the boy or girl is far more than classroom lectures, formal courses, and academic processions. It is student organizations, social functions, dormitory life, the attitude of teachers, and a wide and exciting assortment of so-called extra-curricular activities.

Realizing that sound technological education can never be less than the full and well-rounded development of all the native abilities of the individual student, the North Carolina State College of Agriculture and Engineering is vitally concerned not only with what its graduates will know, but what they will be, for surely if the technological graduate is to function as a good and useful citizen today and tomorrow he must be, over and above what he knows, a responsible, morally alert, independent man or woman with a vision of a new world order based on the rule of law, with justice, useful work and plenty, for all. It is not enough for the student to merely hear about the good life and the American way, in the abstract. He must have personal experience with both in order to perfect the skills of citizenship that are essential to democratic living as surely as he must have well grounded convictions with regard to the dignity of the common man, the long term significance of mortal existence, and the necessity of rational compromise, self-discipline and even personal sacrifice in the interest of causes greater than self.

The art of living democratically, and the art of world citizenship and being a brother of all men are no less important than intellectual conviction and emotional commitment in this connection.

Campus Life Complex

The student government organization on the American college or university campus is recognized today as the indispensable and capstone extra-curricular activity. Both faculty and administration realize today that the complex life and manifold activities of the modern

(Continued on Page 3)

Impressive Ceremony Held In Pullen Hall

R. L. McMillan Speaks At Veterans Meeting

R. L. McMillan, former national vice commander of the American Legion, was guest speaker for the first meeting of the new year of the Veterans Association of North Carolina State College held last night in the private dining room of the college cafeteria.

Mr. McMillan spoke on the benefits of the American Legion. He thanked the veterans for their part in bringing the war to a successful conclusion and stressed the fact that the job was not yet complete. He said that it is up to the younger generation to see that America is never again caught unprepared for its own defense.

America must take her place in the world backed up with sufficient force to secure a just and honorable peace never allowing ourselves to forget the high ideals laid down by our forebears. "Having failed to keep faith with Flanders Field, we will this time keep faith with Salerno, Bataan, Iwo Jima and Normandy," he said.

The Veterans Association was formed last winter on the State College campus with a charter membership of 30. The membership has grown steadily and now totals 130 members. The purpose of the Association and stressed the fact that the job was not yet complete. He said that it is up to the younger generation to see that America is never again caught unprepared for its own defense.

The officers of the Association are: President, W. C. Roe, Concord, N. C.; vice president, C. C. Connel, Albemarle, N. C.; secretary, W. K. Thornton, Richmond, Va.; treasurer, J. D. Evans, Kenly, N. C.; Dr. T. W. Wood and H. W. "Pop" Taylor, faculty advisors.

The Association serves the veterans by acting as a fund to aid veterans whose checks have been delayed. It assists the veterans in the location of apartments for their families. During the 7th War Loan Drive, the Association handled bond sales on the campus. This drive proved to be the most successful drive ever held on the State College campus.

Plans For Raleigh Day Being Formulated

Happy days are here again because the old pre-war spirit is once more taking shape on the campus as plans are being made by the Student Government for a year of unprecedented student activity. The first of these activities planned is Raleigh Day which was a regular institution back in the old days.

Before it was discontinued because of the war, Dads Day was one of the big events of the season. Banquets, speeches, dances, parades, and revelry of all types were characteristic of this famous day when students and their dads painted the town red.

Raleigh Day will be conducted with the same gusto and vitality that was typical of Dads Day. It is hoped that each fraternity and dormitory will prepare a float to participate in a parade down Fayetteville Street. The Student Government will present a prize for the best dormitory float, and if all plans materialize, a prize will also be represented to the fraternity having the best float. The date set for Raleigh Day is October 20—the same day that State plays Wake Forest.

Hope that Raleigh Day will increase school spirit, and stimulate interest in the State-Wake Forest football game.

PEP RALLY

Tonight at 7:30 there will be a pep rally held in Riddick Stadium. This is the first rally that will be held here this season. This is a fine opportunity for all new students to learn the State College yell. Let's show the team and the crowd that we are behind them to the limit. The only way we can show them is by yelling so let's try to make this first rally a real success by having 100 per cent attendance!

State College, considered by many educators and scientists as the top-flight technological institution in the South and one of the outstanding schools of its kind in the nation, celebrated the 56th anniversary of its founding with exercises in Pullen Hall on Wednesday noon.

John W. Clark, textile industrialist, newspaper executive, and president of the State College General Alumni Association, delivered the principal address at the celebration. Chancellor J. W. Harrison presided and introduced the speaker.

An academic procession was led by Col. Douglas N. McMillan, commanding officer of the College's Department of Military Science and Tactics. Music was provided by the College Orchestra under the direction of Major C. D. Kutchinski, the college's director of music.

The invocation and benediction was pronounced by the Rev. John M. Hamm, head of the State College Wesley Foundation, an organization of Methodist students. Dr. L. E. Hinkle, chairman of the Public Lectures Committee and head of the Department of Modern Languages, was in charge of the program.

Establishment of the institution on October 3, 1889, was due largely to the militant efforts of Colonel Leonidas L. Polk, hard-hitting editor of The Progressive Farmer, the Watauga Club, and the provisions of the Morrill Act of 1892. From its humble beginning, the college has marched straight ahead to take a firm position among the leaders of technology in the United States.

The college has grown from a campus of one building in 1889 to a physical plant embracing 42 buildings and valued at more than \$7,000,000. The student body has advanced from 72 students—who reported to President Alexander Q. Holladay during the first academic year—to over 2,600 in 1942. The first faculty was composed of 20 young teachers. Approximately 300 faculty members—many of whom have gained world-wide recognition for their achievements—are now employed by State College, in addition to large numbers of workers in the Agricultural Extension Service and the State Experiment Station, both of which maintain headquarters on the 125-acre campus.

During the pre-war years, State College reached about 11,000 persons annually through its regular residence courses, extension classes, correspondence courses, and special short courses. More than 23,000 men and women were trained at the college for war work during World War II.

Adjoining the campus to the west are 456 acres including the college orchards, gardens, poultry plant and farms, and the Central State Agricultural Experiment Station. About one mile west of the campus, the institution has acquired 1,300 acres which are maintained as livestock farms by the Department of Animal Husbandry and Dairying.

The college's main division include the School of Agriculture and Forestry, the School of Engineers, the School of Textiles, the Division of Teacher Education, the Graduate Division, the Basic Division, and the Summer School. The Department of Military Science and Tactics, providing ROTC training for the students, consistently has received an annual rating of "excellent" from the War Department.

Principal landmarks on the campus include Holladay Hall, the school's first building; the birthplace of Andrew Johnson, 17th president of the United States; Memorial Tower, impressive monument to the State College students who served in World War I; the home of the chancellor; Pullen Hall, named in honor of R. Stanhope Pullen, who donated the land for the original campus.

State College has more than 25,000 living alumni, many of whom are nationally known for their accomplishments in industry, science, military progress, agriculture, education, and political life. More than 5,000 alumni of the school—many of whom are officers—served in the armed forces during the World War II. About 200 of the service men died in battle during the progress of the war.

Included in the group of officers who are former students of State College are one vice admiral, six generals, and 10 admirals, as well as men of lower rank. Highest State alumnus in the Navy is Vice Admiral David Worth Bagley of Raleigh, commander of the Western Sea Frontier with headquarters in San Francisco. Top-ranking Army man is Major General William C. (Bill) Lee of Dunn.

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North Carolina

By the Students

State College



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Disgusting Spectacle

At the last football game the spectators were given an example of behavior which to them must have been very disgusting. We are referring to the throwing of rolls of toilet paper by the State College students. Behavior of this nature is befitting only small children and people of low intellect and certainly should not be indulged in by college students.

When people visiting our campus see such conduct at a football game, they are almost sure to leave the game with a bad impression of State College. They do not see behavior of this nature at football games at any of the other colleges in North Carolina because it is not allowed by either the faculty or the students. Even though it is just a small number of students who display their bad manners in this way, fault lies with the entire student body for allowing such conduct to continue. At the game tomorrow night let's stop this childish behavior and show everyone that we are worthy of being called college men.

Reconversion

Now is the time for State College to start the reorganization of all its prewar activities. With an enrollment approaching 1,300 students and with more veterans returning every day, the college will soon have its pre-war enrollment, and with this enrollment it should have back many of the organizations which were discontinued with the beginning of the war. Many of the activities such as Dad's Day, State-Raleigh Day, Hello Week, Stunt Night, High School Day, and Homecoming, formed a very important phase of college life which present students are missing. Without such honorary organizations as Golden Chain, Blue Key, Thirty and Three, Alpha Zeta, and many others there has been little incentive for students to work toward high scholarship and leadership attainments. The students also lost a chance to receive some valuable training when *The Southern Engineer*, *The Watauga*, *Pinetum*, and *The Agriculturist* ceased publication.

Many students have expressed a desire that some activity or organization or publication be started again. When asked if they would help with it, they looked a little startled and said that it was not their job to take such an action. All of them seemed to think that the faculty should be responsible for reorganizing these activities. This, however, is not true. The organizations belong to the students and it is the students who should get them started again. If any student is interested in trying to start some former organization, he should himself investigate the matter as fully as possible and then attempt to get some faculty aid.

No Books

Ever since school began this term, students have been tramping to the "Mop Up" time and again to buy books for classes that they have now been attending for two weeks. Nearly every time they have been met by the same answer, "Sorry, the books haven't come yet." For any school this is a bad state of affairs. For a technical school it is indeed a deplorable situation. Students have a difficult time even when they do have books, but when a student must take a course without the aid of a text, it is virtually impossible for him to either make a good grade on the course or to learn much about the subject.

Where does the fault lie? The instructors say that the Student Supply Store will not order the books early enough so that they will be here when the term begins. There seems to be a certain element of truth in this, since many students have been told by clerks at the "Mop Up" that the order for their books was not placed until September 24th, the first day of classes. On the other hand, the Student Supply Store brings the complaint that the instructors will not place their orders early enough nor will they give ample warning when a change of textbooks is desired. A third excuse that comes to the students from both the instructors and the book store is that the book publishing companies are at fault. A more recent excuse that has come to us is that the elevator strike in New York has been holding up the books. However, this strike did not begin until after the books should already have been here. In the meantime, the poor student is attending classes and trying to get along the best he can without the books.

It seems to us that the college officials should investigate a matter which is so important to the welfare of the students. If anyone has as yet started such an investigation, no students yet know about it.

SHARPS and FLATS

By HOWIE KADEN

While glancing through the records this week, I came across two versions of "When Your Lover Has Gone." Both are rather good, but there is a marked difference in the arrangement and the musicianship. The records I speak of are by Harry James and Eddie Condon. James' version is typical of the present style of "dressed up" music—complete with violins, horns, and, of course, the famous James trumpet, overflowing with sweetness. His technique is well represented, too. He goes from the high register to the low, but misses much of the melody. Condon, on the other hand, does the exact opposite. The theme is present throughout the side, and does not have to be listened to. It features the trumpet work of Bobby Hackett. Hackett has been playing around as a sideman with many bands for quite a number of years now, and also has been sitting in with small jam combos. Consequently, he has not received the recognition he so richly deserves. Do you remember the old Glenn Miller band of 1942? He was in the trumpet section then, and was featured on Miller's recording of "Serenade in Blue." His tone is perfect, and does not have the artificial quality that we find in James' while his technique and ideas cannot be improved upon. With Hackett in the section are two other trumpet "greats," Billy Butterfield and Max Kaminsky. Jack Teagarden takes the opening trombone chorus, and listen to the baritone sax solo of Ernie Caceres. The rhythm section consists of Condon on guitar, Gene Schroeder on piano, Bob Haggart on bass, and George Wettling on the drums. With a line-up such as that, nothing more need be said about the James' recording is on the Columbia label, and Condon's is under Decca.

The four Crosby kids appeared on a program with Frank Sinatra. They contended that their padre, Der Bingle, had dispatched them there because Frank had taken his bread and butter. However, after

scrutinizing The Voice closely, one of the Crosby chilluns confided to the others, "Aw, Pop must be all wrong—'cause this guy has never had any bread and butter." Bing certainly has them trained.

And from the same source comes this little piece of news. Kate Smith was on hand to greet the troopship, Queen Elizabeth, when it arrived in New York harbor recently with more than 14,000 military personnel aboard. When the tugboats had trouble docking the giant ship, Kate shouted over the loudspeaker from the dock: "You need me out there to push that thing in!" Speaking of Kate, she also was found in this issue of The Technician.

As soon as the new constitution has been distributed, provision will immediately be made for election and installation of the new honor system.

It seems that this column can't keep away from sports, but another project for the student government besides working for the installation of a major or minor curriculum in physical education is to try and make a change in a Southern Conference ruling that says no school will be allowed to use gate receipts to provide athletic scholarships. Under the present system, state-supported colleges (both State and Carolina) are seriously handicapped from building up strong football teams.

Hardly anyone denies that a great football team is a valuable asset to a college, even if it is a small part of the college as a whole. Realizing this, State College and Carolina do manage to pay their players just like all the other Southern Conference teams. But since their books are scrutinized by the Legislature, no funds from the ticket sales can be used. They are forced to do it the hard way, by campaigning the alumni for donations, while the private schools can easily manage to finance their scholarships directly from their single treasuries.

It is a commendable trait for President Frank Graham and the other university officials to want college athletics kept on a gentlemanly and amateurish plane, but when their own schools break the spirit of the regulation so definitely and flagrantly in order to compete with rival tactics and to satisfy the public's demand for high-grade college athletics kept on a gentlemanly and amateurish plane, it is time to scrap the measure.

In answer to many complaints by athletes who have not received monogram sweaters, Secretary Von Glahn of the Athletic Department has announced that restrictions due to war controls are gradually being removed and that current orders for sweaters should be immediately forthcoming. Probably students still in school who have earned letters during the war will be eligible for sweaters when they are available. Fairness in granting these honors is a very necessary part of our athletic program.

Plans are being formulated for a mammoth celebration on October 20, the day of the State-Wake Forest game. The holiday will be called Raleigh Day. If possible cooperation will be obtained from the Raleigh Merchants' Bureau. Competitive decorating of dormitories and fraternities will be staged, along with floats to be constructed for a parade down Hillsboro and Fayetteville streets. Wake Forest will be invited to send sponsors to the game. The war is over and now State College should get down to reviving the old school spirit and some of the big doings of past years.

Anniversary Speech

Extolling the record of State College in advancing North Carolina's and the South's agricultural and industrial development, John W. Clark of Greensboro, prominent textile industrialist and business executive, declared, in an address here Wednesday, that a larger portion of Federal excise taxes levied on tobacco, the state's principal cash crop, and on water power, one of Tar Heel's main natural resources, should be paid to the State government to be used for educational and social progress.

Clark, speaking at the observance of the 56th anniversary of the founding of State College, said that at least 20 per cent of the 446 million dollars collected from tobacco manufacturers in North Carolina should be left in the State instead of being taken to Washington to swell the national coffers and that the bulk of the 12 million dollars derived in taxes from the water-power companies located within the State should remain here to aid in carrying out the vast functions of State government.

Hammering at this point and illustrating the significance of his remarks, Clark, who is president of the State College General Alumni Association, cited the following example:

"Porto Rico is an important producer of tobacco and exports large quantities of run to this country. It might interest you to know that all excise taxes collected on Porto Rico products are returned 100 per cent to that country for its development. Our share of the tobacco tax would go a long way towards putting North Carolina on the map educationally."

The speaker, a director of The Greensboro Daily News Company, asserted:

"Last year the tobacco farmers of the United States received 557 million dollars for their tobacco, and then the Federal Government levied a tax of 932 million dollars on this same tobacco; 446 million dollars of this tax was collected from tobacco manufacturers in North Carolina."

"A friend of mine recently remarked that while this may be true the tobacco tax is paid by users of tobacco all over America, and none of it rested on us. I replied that his logic reminded me of the Irishman who said he had an easy job, all he had to do was to push bricks in a wheelbarrow up a runway to the third story of a building to a man up there who fairly worked to death to haul the bricks down."

"Following the Wilson era, Mr. Mellon became Secretary of the United States Treasury, and he made it a point to reduce taxes, and he did reduce all taxes with the exception of the tobacco tax. The reason given for not reducing this tax was that everyone knew that tobacco was taxed, and this fact was taken into consideration in the price the farmer paid for the land. They admitted, of course, that part of the tax rested on the soil."

"If the Federal Government wishes to share fairly with those tobacco growing states, it should in my opinion leave at least 20 per cent of the tobacco revenue tax in the states where the tobacco is grown."

"Our second great natural resource is our water power and the contour of the land and the rainfall which makes same possible. The one process which supports life and sustains the present is the water, the lifting up of water by the sun and its deposit again upon the land. Let this process cease for only a short space of time and both animal and vegetable life will disappear. In this respect, North Carolina is exceedingly fortunate with a rainfall of 48 to 52 inches spread throughout the year as compared with only 13 to 20 inches in some parts of the nation."

"Last year the Federal Government collected more than 12 million dollars in taxes from water power companies located within this state whereas the State of North Carolina got only a fraction of this amount. Inasmuch as this is a God-given resource within our borders, it would seem but proper that the tables be turned about and the bulk of any taxes levied should remain within the state."

Emphasizing the need in North Carolina for more educational provisions and citing certain handicaps now confronting the State's educators and statesmen, Clark, a well-known business and civic leader and son of the late Chief Justice Walter Clark, said:

"The first free schools, the public schools of North Carolina, were established by the legislature of 1837, 108 years ago this year. The world has moved since those days and practically everyone agrees today that education is a function of the State. Our problem is to set up an economy that will enable us to carry out an educational program in keeping with the times, not only for the public schools but for higher education as well."

"Already this year the Woman's College at Greensboro has turned away 300 North Carolina girls for lack of housing facilities. This should not be. Soon the footfall of soldiers whose foot-trod shock not only a continent but the world will be echoing along the walkways of this campus. Are they to be turned away? We have consulted the Governor, the Attorney General, and the Trustees. What will the answer be?"

Turning to the history of State College, Clark, a member of the class of 1906, declared:

"State College has rendered service to North Carolina girls for lines of endeavor that it will not be possible for me to touch upon many of them in the time allotted, but I feel that with the foundations now being built up and greater support expected from the State, this institution is destined to render far greater service in the days ahead."

"State College was created to give North Carolina boys an education that would enable them to develop our resources and to help bring prosperity and a higher standard of living to our entire population. When I arrived here the seven pillars of wisdom had already been hewn out. First came agricultural education, then mechanical, civil and electrical engineering followed by chemical engineering."

(Continued on Page 4)

CAMPUS CENTRIFUGE

By BILL GATLIN

At this writing the first meeting of the Student Council has not been held and no definite information can be had of their plans for the coming year. Already, however, a manuscript of the new constitution and by-laws has been given to Major Alford in the print shop, and a booklet containing them will soon be distributed. Possibly most of you read the excellent discourse on the new State College student government written by Prof. W. N. Hicks, carried by many of last Sunday's newspapers. If not, it can also be found in this issue of The Technician.

As soon as the new constitution has been distributed, provision will immediately be made for election and installation of the new honor system.

It seems that this column can't keep away from sports, but another project for the student government besides working for the installation of a major or minor curriculum in physical education is to try and make a change in a Southern Conference ruling that says no school will be allowed to use gate receipts to provide athletic scholarships. Under the present system, state-supported colleges (both State and Carolina) are seriously handicapped from building up strong football teams.

Hardly anyone denies that a great football team is a valuable asset to a college, even if it is a small part of the college as a whole. Realizing this, State College and Carolina do manage to pay their players just like all the other Southern Conference teams. But since their books are scrutinized by the Legislature, no funds from the ticket sales can be used. They are forced to do it the hard way, by campaigning the alumni for donations, while the private schools can easily manage to finance their scholarships directly from their single treasuries.

It is a commendable trait for President Frank Graham and the other university officials to want college athletics kept on a gentlemanly and amateurish plane, but when their own schools break the spirit of the regulation so definitely and flagrantly in order to compete with rival tactics and to satisfy the public's demand for high-grade college athletics kept on a gentlemanly and amateurish plane, it is time to scrap the measure.

In answer to many complaints by athletes who have not received monogram sweaters, Secretary Von Glahn of the Athletic Department has announced that restrictions due to war controls are gradually being removed and that current orders for sweaters should be immediately forthcoming. Probably students still in school who have earned letters during the war will be eligible for sweaters when they are available. Fairness in granting these honors is a very necessary part of our athletic program.

Plans are being formulated for a mammoth celebration on October 20, the day of the State-Wake Forest game. The holiday will be called Raleigh Day. If possible cooperation will be obtained from the Raleigh Merchants' Bureau. Competitive decorating of dormitories and fraternities will be staged, along with floats to be constructed for a parade down Hillsboro and Fayetteville streets. Wake Forest will be invited to send sponsors to the game. The war is over and now State College should get down to reviving the old school spirit and some of the big doings of past years.

Ceramics Department Aids War Effort

Extensive research on pyrophyllite done in the State College department before the war enabled Dr. Greaves-Walker to direct the use of this mineral into a number of important war uses, including refractories, steel, and glass plant refractories and insecticides. It was found to be superior to any other "carrier" for DDT and a result of the demand, the several plants in the State were never able to fully meet the demand.

The research work done in the ceramics department on vermiculite concrete before the war furnished valuable information to the Army and Navy, who used thousands of tons of this mineral in constructing bomb-proof roofs on store houses and government plants.

Statesmen, industrial leaders, and Army and Navy authorities have commended the work of Dr. Greaves-Walker in directing an important branch of the nation's war production program.

The State College faculty member was preparing to fly to Germany to aid in the work of his investigating committee there when illness necessitated his return to Raleigh.

GLEANINGS

Well! Well!! Rush week is over and we are sorry. Just think of all those girls and free refreshments (brew to the P's) that ain't to be had no more. The poor freshmen were apparently in a daze the whole week, with such hospitality, etc. Just wait until you pledge up, fellows. There's a surprise in store.

We understand that one lone Charlie C. lost an old hat and pin last week at High Point College. Watch those zoot suits, boy. We also understand that John Williams would like to have a big church wedding when the time comes. If you think that Frankie can put girls out of this world, you should just see Tex in action. He's really hot stuff.

It is reported by the P's that Dillon had three pledges helping him carry bids over to the dean's office. However, it is reported by the PIKA's that Dillon, Wooten, and four PIKA pledges received bids from the P's. What is this world coming to!!!! Casanova Freeman said last Sunday afternoon that he was going into hibernation for the next nine months. Sunday night found the said Casanova with a date. Somebody's lying. Rusty, what do you think that little girl at St. Mary's will think when she talks to Sue Tuck? We know! She won't believe it. But what fool would?

L. L. Gatlin has opened a Mop Up No. 2. Someone remarked that the first time they saw him behind the counter, they thought it was Pop from store No. 1. It is also being circulated by the B.M.O.C.'s that Gatlin is stepping out of the bounds of his office in an effort to run State College.

'Tis said that Moss's record of 30 consecutive dates has been broken by one John "Rock" Holloway. Rock claims that he has established a new record with 150 dates in a row. Sounds like time wasted to us.

Well, until another week end produces more dirt we'll be leaving you.

Information About N. C. State College

The North Carolina State College of Agriculture and Engineering, having a physical plant of 47 buildings, reached approximately 11,000 persons annually in the pre-war years through its regular residence courses, extension classes, correspondence courses, and special short courses. More than 23,000 men and women were trained here for war work during World War II.

State College is one of the Land-Grant colleges established under the provisions of the Morrill Act, passed by Congress on June 2, 1892. The first session of the College was that of 1898-1899.

The name, The North Carolina College of Agriculture and Mechanical Arts, was used in the establishment of the institution, but the name was changed by the General Assembly in 1917 to its present form.

In its session of 1931, the General Assembly passed an act of which the following is the first section: "That the University of North Carolina, the North Carolina State College of Agriculture and Engineering, and the North Carolina College for Women are hereby consolidated and merged into 'the University of North Carolina.'"

The State College campus, embracing 125 acres, lies within the limits of Raleigh, the State Capital. The College is located a mile and a quarter west of the Capitol on Hillsboro Street and U. S. Highway No. 1. Adjoining the campus to the west are 456 additional acres including the College orchards, gardens, poultry plant and farms, and the Central State Agricultural Experiment Station.

The institution has acquired 1,300 more acres about one mile west of the campus. This tract of land is maintained as livestock farms by the Department of Animal Husbandry and Dairying.

State College has as its main purposes resident teaching, extension teaching, and research. Regarded as one of the leading technological institutions in the nation, State College is advancing the economic development and increasing the living standards of the people of North Carolina through technical education and research.

The pre-war enrollment was over 2,600.

The birthplace of Andrew Johnson, 17th president of the United States, is located on the campus.



A FLIGHT THAT NEVER LEAVES THE GROUND

A bomber crew needs training as a team. And now those hazards which are too dangerous for air-borne drill can be duplicated on the ground. This is made possible by an electronic flight trainer perfected by Bell Telephone Laboratories' scientists for the Navy.

At remote controls the instructor follows the "flight," sets up various dangerous conditions, coordinates the crew's reactions.

Tubes glow, switches click much as they do in a telephone exchange, to duplicate such flight perils as icing, fouled fuel lines, "conked" motors. It is the science behind the telephone that here performs another new service to the Nation.

BELL TELEPHONE SYSTEM



"Service to the Nation in Peace and War"

The injuries which members of the State team sustained last week at Norfolk were numerous. The Virginia squad went all out to make it rough for the Wolfpack. In seeking revenge for last year's upset, Coach Frank Murray put all he had into the game to insure a Cavalier victory. With Turner, Richkus, Edwards, Gibson, and other key players injured in the opening period of last Saturday's contest, any hopes of a State victory were lost. It is hoped that these players will be ready for tomorrow night's game with Clemson. The Tigers were one of two teams to beat State last year. Coach Howard of Clemson brings to town a squad which is a leading contender for Southern Conference honors, and the Wolfpack will be facing an opponent which is just about as strong as Virginia. That game tomorrow night should be the best home game of the season for the Wolfpack.

Over at Chapel Hill under a scorching sun, Coach Carl Snavely, as we predicted last week, did pull a few tricks out of his hat, and all but beat the Georgia Tech Yellowjackets. The Rambling Wreck took advantage of Carolina's weak pass defense to score first in the early minutes of the ball game. A bad pass from center which was covered by a Tech lineman over the Carolina goal line midway in the first quarter made the score 13-0, and it appeared that the Atlanta boys were going to have a runaway—but the unexpected happened. The Tar Heels suddenly came to life, and before the first half had ended, Coach Snavely's boys had forged into the lead, 14-13. The Engineers took the opening kickoff of the second half, and drove to another touchdown. This made the score 20-14 with Tech in the lead. The rest of the ball game found the Chapel Hill boys threatening, but a rugged Tech line would refuse to yield a score. Nevertheless, every fan who saw that game was convinced that Carl Snavely must be a miracle man. The team that he has molded from the players he started with is really miraculous.

The Bogue Field Marines were no match for Duke last Saturday. The Blue Devils rolled to a 76-0 victory before only 2,500 spectators. In the two games played thus far, the Devils have scored 136 points to exactly none for their opponents. The switch from playing weak opponents to a powerhouse such as that the Navy Academy has may be too much for Eddie Cameron's charges. Because of this fact, we feel that Navy will take the game tomorrow.

To Peashead Walker's Wake Forest team goes the most difficult assignment in the nation—playing Army at West Point. The Deacs will do good to hold the Cadets to three touchdowns. The Baptists had a tough break out at Knoxville last Saturday. The led Tennessee in every department except in scoring. Wake Forest literally pushed the Vols around for three quarters, but just couldn't cross the goal line. Rock Brinkley's fumble on the Tennessee two-yard line proved to be the deciding factor in the Wake Forest loss. Keep an eye on these Deacs, though—they have a powerhouse over there.

Ray Reeve missed only six predictions to take the honors among the prognosticators for last week's games. Yours truly missed seven, and Mr. Doak missed eight. Rudy Pate picked ten incorrectly. The only game to stump all four were the Auburn-Maxwell Field and the Florida-Mississippi games.

This week's predictions:

Teams	Doak	Reeve	Pate	Dillon
State-Clemson	Tie	Clem.	NCS	NCS
Army-Wake Forest	Army	Army	Army	Army
Boston College-Brown	Brown	B.C.	B.C.	B.C.
Bucknell-Pittsburgh	Buck.	Pitt.	Pitt.	Pitt.
Colgate-Penn State	E.S.	Col.	Col.	P.S.
Columbia-Syracuse	Syr.	Col.	Col.	Col.
Cornell-U. S. Sub Base	Corn.	Corn.	Corn.	Corn.
Dartmouth-Penn	Penn.	Penn.	Penn.	Penn.
Holy Cross-Yale	Yale	H.C.	H.C.	Yale
Lafayette-Princeton	Prin.	Prin.	Laf.	Prin.
Maryland-Richmond	Md.	Md.	Md.	Md.
Navy-Duke	Navy	Duke	Navy	Navy
NYU-Temple	Tem.	Tem.	NYU	Tem.
Villanova-Marquette	Mar.	Mar.	Vill.	Mar.
West Virginia-Drexel	W. Va.	W. Va.	W. Va.	W. Va.
Illinois-Indiana	Ill.	Ill.	Ill.	Ill.
Iowa-Ohio State	O.S.	O.S.	O.S.	O.S.
Iowa State-Kansas	Kans.	I.S.	I.S.	I.S.
Michigan-Northwestern	Mich.	Mich.	Mich.	Mich.
Michigan State-Kentucky	M.S.	Ky.	M.S.	Ky.
Minnesota-Nebraska	Minn.	Minn.	Minn.	Minn.
Missouri-SMU	SMU	SMU	SMU	SMU
Notre Dame-Ga. Tech	N.D.	Ga.	N.D.	Ga.
Oklahoma-Texas A&M	A&M	A&M	Okl.	A&M
Oklahoma A&M-Denver	A&M	A&M	A&M	A&M
Purdue-Wisconsin	Pur.	Pur.	Pur.	Pur.
Tulsa-Drake	Tul.	Tul.	Tul.	Tul.
Alabama-LSU	Ala.	LSU	Ala.	LSU
Auburn-Miss. State	Aub.	Aub.	Aub.	Aub.
Florida-Tulane	Tul.	Tul.	Tul.	Tul.
Georgia-Miami	Ga.	Ga.	Ga.	Ga.
Mississippi-Vanderbilt	Miss.	Miss.	Miss.	Miss.
N. Carolina-VPI	UNC	UNC	UNC	UNC
S. Car.-Charleston Marines	S.C.	Mar.	S.C.	S.C.
Virginia-VMI	Vir.	Vir.	Vir.	Vir.
Arkansas-TCU	TCU	TCU	Ark.	TCU
Rice-Southwestern	Rice	Rice	SW	Rice
Texas-Texas Tech	Tex.	Tex.	Tex.	Tex.
South. Cal.-St. Mary's PF	P-F	P-F	USC	P-F
California-Washington	Cal.	Wash.	Wash.	Wash.
Idaho-Oregon	Ore.	Ore.	Ore.	Ore.
Oregon St.-Washington St.	W.S.	W.S.	O.S.	O.S.
Col. of Pacific-UCLA	UCLA	UCLA	UCLA	UCLA

The winner of last week's tickets to the Varsity was I. A. Johnson, 218 Watauga. Remember to leave your list of predictions at the main desk at the YMCA before 12 noon Saturday.

Wolfpack Plays Clemson Here Saturday

Co-Captains of N. C. State's Wolfpack



Tony Gaeta of Staten Island, N. Y., left, and Paul Gibson of Winston-Salem, both lettermen of N. C. State's football team, are the co-captains of the squad and will lead the Wolfpack in its grid

State Plays Under The Arcs Tomorrow Night

By RUDOLPH PATE

Cavaliers Beat State By Score Of 26-6

	Va. State
First downs	11 17
Passes attempted	8 9
Passes completed	4 1
Passes intercepted by opp.	0 1
Punting average	31 32
Yards all kicks returned	102 111
Opp. fumbles recovered	1 1
Yards lost by penalties	55 50
Net yards rushing	222 195

In a bitter battle last Saturday afternoon before 20,000 spectators, the Virginia Cavaliers defeated the State College Wolfpack, 26-6, to avenge the defeat of last year. The brilliant running of Johnny Duda, who scored three touchdowns, and an air-tight aerial defense combined to hand Coach Feather's charges their first defeat in the Coastal City.

The game was no push-over for the Cavaliers and the play was much closer than the score indicates. Virginia rolled up 222 yards rushing while the Wolfpack were totaling 195. State, however, was credited with 17 first downs while Virginia made only 11. The big difference came in the air as the Charlottesville lads completed 4 out of 8 passes that were good for 75 yards while State completed only one out of nine aerials that was good for 17 yards.

The State marker came in the third period when Bobby Worst took a Virginia kick-off on his own 20 yard line and ended when Howard Turner scored after a 13-yard end run. The try for the extra point was low.

Duda scored a touchdown in each of the first three periods and Bob Jamison scored the last tally in the final quarter. Two of Duda's touchdowns were the results of one-yard plunges while the other resulted from a 12-yard end run.

The Wolfpack threatened to score in the closing period when they worked down field to the Virginia 5 before being stopped. The drive started when Turner took a Virginia punt on the middle field stripe and returned it 16 yards. After a series of plays that saw Dorton and Goehring alternating the lead, the ball rested on the 7. Naugler got through for 2 more yards before the whole Virginia line stiffened and refused to be moved an inch.

N. C. State College's Wolfpack, shaken a bit by the bruising 26-6 defeat which Virginia handed it on Saturday, buckled down in high spirits Monday in preparation for the grid battle with Clemson's Tigers here in Riddick Stadium tomorrow night.

State's team, pointing its pigskin guns toward Clemson, got off to an early start in its preparedness program by holding on Sunday night a blackboard drill, including the scouting report on Clemson by Line Coach Lyle Rich, who attended the Tiger-Bulldog affair in Athens Saturday.

Techniques of throttling the Clemson advance were outlined at a Monday night skull session by Head Coach Beattie Feathers and End Coach Star Wood, whose terminal reserves have been boosted by Bobby Courts of Reidsville, who tips the scales at 185. Courts, a war veteran, who played for Wood and Feathers at Appalachian before the War, is 24 years old and is a junior. He saw his first service for State in the Virginia contest.

Several of the State players sustained slight injuries in the Cavalier clash, but Coach Feathers, who has outlined extensive preparations for the Clemson engagement, said that present indications are that the starting lineup will be able to operate against Coach Frank Howard's Tigers.

The Wolfpack's aerial attack, one of its main assets in offense, was halted in the Virginia scrap when both Howard Turner and Charlie Richkus, the handlers of the passing chores, were shaken a bit by the heavy blows from the onrushing boys from Charlottesville, but they will be able to play against the Tigers, which bowed to Georgia's Bulldogs, 20-0, on Saturday.

"We are outplayed and defeated by a better team," Coach Feathers commented. "Our boys, in most instances, played heads-up ball during the Virginia game, but we were not able to subdue the Cavalier attack."

The slight bruises which some of our key players received may be the playing rough for them, and our reserves are not as strong as Coach Frank Murray's relief men.

"We are looking forward to the Clemson game with a great deal of enthusiasm. Our team has a fine spirit, and we hope to put up a stiff fight next Saturday."

CAMPUS GOVERNMENT

(Continued from Page 1)

ern college or university campus, with concern for housing, health, social, recreational, and religious needs, in addition to things academic, add up to something of such fundamental significance that the mere academic becomes abortive in nature without these other things as base and foundation. These manifold campus activities must be handled democratically, if they are to be handled best, and more important still if the young men and women of today, the world citizens of tomorrow, are to have down to earth experience with democratic community life and the American way.

Faculty-Student Work

The wide prevalence of the above conviction on the campus of the North Carolina State College, in the administration, faculty and student body, resulted in the appointment last January of a joint student-faculty committee to prepare a new constitution for the Campus Government and Honor System of the college. The work of this committee constitutes the first fundamental revision of the student government organization at State College since 1921.

With the hearty support of Chancellor J. W. Harrison, the Faculty Council, and the Student Council, a careful study was made of campus governments and honor systems of outstanding colleges and universities, together with a realistic analysis of the peculiar characteristics and needs of the State College campus and community. The result was a new constitution for the Campus Government and Honor System of the North Carolina State College of Agriculture and Engineering that is no doubt unique among American colleges in comprehensiveness, logical simplicity, and potential promise.

Work As Team

The basic principle of the new Campus Government and Honor System is of major significance. Students and faculty are com-

(Continued on Page 4)

Cross Country Team Has Begun Practice

A faster, bigger, and better cross country team is in store for this year, according to T. I. Hines, coach of cross country. Approximately 35 boys have already come out for practice. Some of last year's runners who are back are A. C. Davis, Jimmy Adams, James Cowart, and H. B. Winslow. Howard Maddrey, an old track man who is getting back into shape after having served in the armed forces, will also be running this year. Coach Hines expresses a desire that more candidates report in the near future. He especially urges all interested servicemen to come out for cross country.

A tentative schedule for this year follows: November 3, Cherry Point Marines at State; November 10, Duke at Durham; November 17, Carolina at Chapel Hill; November 24, Cherry Point Marines at Cherry Point. Some good trips will be in store for the best runners.

Last year, the State cross country men took on three opponents. They lost to Duke and Cherry Point Marines, but won an impressive victory over Carolina.

It is the policy of the Athletic Department to award monogram sweaters each year to the five best runners.

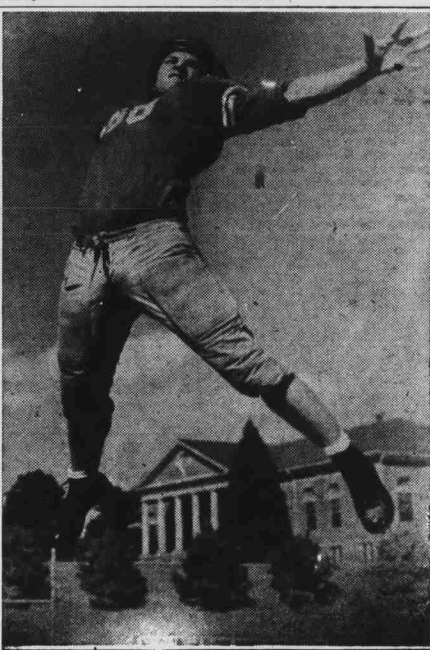
Tickets for Clemson Contest Selling Fast

J. L. VonGlahn, business manager of athletics at State College, announced on Thursday that "an unusual pre-game demand for tickets to the State-Clemson game has been experienced by this office." The State-Clemson football game, an annual fixture in Charlotte since 1929, will be played here in Riddick Stadium on the night of October 6 for the first time the two schools have ever met on the gridiron in the Capital City.

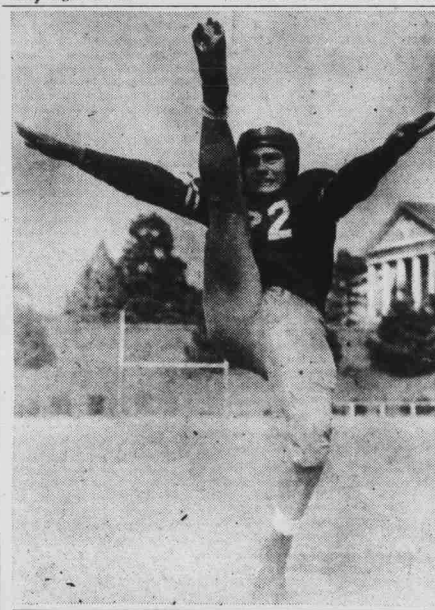
The contest, which will be this season's first Southern Conference engagement of either State or Clemson, is a highlight on the schedule of the two institutions.

Football Broadcasts

WPTF-Duke-Nav; Saturday afternoon at 2:45.
WRAL-State-Clemson, Saturday night at 8:15.
WPTF-Football scores, Saturday night at 6:05.
WRAL-Football scores, Saturday night at 6:45.



CHARLIE RICHKUS - WINGBACK



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At
WARLICK'S
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Helping Others To Help Themselves

* 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

CAMPUS GOVERNMENT*

(Continued from Page 3)

mitted to the idea of "playing on the same team," working cooperative as colleagues in the all-embracing search for truth, goodness, and beauty. The Preamble of the Constitution sets this forth simply and emphatically:

"We, the students and faculty of the North Carolina State College of Agriculture and Engineering, in order to form a more perfect community of scholars, afford opportunity for training in American citizenship, and secure the blessings of liberty, learning and integrity for ourselves and those who come after us, do ordain and establish this constitution of the Campus Government and Honor System of the North Carolina State College."

In order to translate the above principle into reality the faculty has been granted the right of campus suffrage, active membership on the Council of Campus Government, and representation on the departmental and school honor committees. However, there is no intention that the faculty shall be allowed to control the campus government by weight of professorial authority alone; therefore, faculty representation has been limited in such a way as to keep the Campus Government and Honor System of the North Carolina State College definitely a government of the students.

Faculty participation will mean new faculty interest in the full life of students, wise guidance and friendly counsel for student government leaders, and a much-needed continuity in the progressive development of the Campus Government over the years.

Committees

A second significant characteristic of the new Campus Government and Honor System of the North Carolina State College is the definite allocation of fundamental functions through the simple expedient of five standing committees of the Campus Government Council, with formal written charters that define specific responsibilities and suggest general plans of action. These committees are Campus Welfare, Investigation, Promotion, Rules, and Faculty Advisory. The committee on Promotion, for example has three fundamental functions and responsibilities, namely, (1) new student indoctrination, (2) a continuous program of education and publicity during the school year in the interest of better campus government, and (3) the formal initiation of new students in the dynamic and ever-evolving campus government. Nine student members and two faculty members of the Campus Government Council constitute this committee and there is an abundance of challenging and creative work to be done. The body from the first day of freshmen registration until the final written report of activities for the year is presented to the Campus Government Council at its last regular meeting in the spring.

Honor System

The third unique characteristic of the State College Campus Government and Honor System is the establishment of departmental and school honor committees as an integral part of the Campus Government, with the student chairman of each of the school honor committees having a seat on the Campus Government Council by virtue of election to the above chairmanship. According to the Constitution it is the responsibility of each departmental honor committee to:

"Do all within its power to establish and maintain the highest possible level of academic achievement on the part of every student taking work in the department, to promote personal honor and integrity, and to aid the head of the department in every way possible to strengthen the department, working all the while as an integral part of the Campus Government and Honor System, and in the interest of State College as a whole."

These departmental and school organizations which effectively established will greatly strengthen the base of campus government itself, and at the same time be noteworthy forces for progress and high morale within each of the several departments and professional schools of the college.

A fourth significant characteristic of the State College Campus Government and Honor System is to be found in the spirit of the new By-Laws. There must of necessity be some definite rules with regard to conduct, but rules are essentially negative and usually put a floor beneath behavior rather than a ceiling above. They center attention upon some minimum standard that is legally acceptable, rather than upon the ideal toward which promising and responsible young men and women should aspire. So arbitrary rules are few, while a challenge to high endeavor of a personal, moral, and collective nature is extended.

The First Faculty at North Carolina State College



Grouped with their president, Col. Alexander Q. Holladay, the first faculty at North Carolina State College is pictured here shortly after the college began its career in 1859. State College will celebrate its 56th anniversary on Wednesday. At present, the State College faculty is composed of nearly 300 competent educators.

At the left of the front row is W. A. Withers, who came from Davidson College to be professor of pure and agricultural chemistry. In the center is Col. Alexander Q. Holladay, who was professor of

history as well as the college's first president. Sitting next to Col. Holladay on the right is D. H. Hill, a North Carolinian who was professor of English and bookkeeping and later became State College's third president (1908-16). At the left of the rear row is J. H. Kinealy of St. Louis, teacher of mathematics and practical mechanics. W. F. Massey of Virginia, who taught horticulture, botany and arboriculture, stands in the center. At the right is Joseph R. Chamberlain of Bath, N. Y., professor of agriculture.

Dr. W. G. Carleton Speaks On Peace

The prevention of a third world war "depends more upon the dynamics of international politics and the ability of Russia and the United States to get along" than it depends on the functioning of a world organization, declared Dr. W. G. Carleton, head of the Department of Political Science at the University of Florida, in a speech at State College recently.

Dr. Carleton was the final speaker at the fourth annual Institute of International Relations in Pullen Hall. He was introduced by Dr. J. W. Patton, head of the Department of History and Political Science at State College.

"If within the next 10 years," he said, "we can prevent a world economic depression, if capitalist countries do not police Europe and Asia to suppress by force popular and spontaneous socialist movements there, and if the experience and the passing of time can soften the mutual suspicions of capitalist countries, then we can prevent a third world war—if not we will have one."

"What good, then, is a world organization? Simply this: if we can pass the next 10 critical years without moving toward a third world war, then this world organization will become the nucleus of a real and a strong international order which can keep the peace."

Dr. Carleton submitted the following four specific proposals for the maintenance of peace between the United States and Russia:

"First, we must avoid an economic depression with its attendant confusion, frustration, and hate, and its inevitable tendency to cause nations to seek phony solutions to their economic problems in armaments, foreign adventure, and war. Russia has a better chance than we

to avoid an economic depression, but we can avoid it if we are willing to apply the necessary government controls.

Second, whether we like it or not, we shall have to concede the Russians a free hand in the countries bordering on the Soviet Union in Europe—Finland, the Baltic States, Poland, Rumania, Czechoslovakia, Hungary, and Bulgaria—and in the areas on the periphery of China—Mongolia and Sinkiang. That is the Russian sphere, just as the western hemisphere is ours.

"Third, in Spain, in Italy, in France, and especially in Germany and China, both Russia and the western allies should maintain a 'hands off' policy. Russia must not intervene in favor of communism. We must not intervene to support the anti-communist elements. We will do well to recognize that the socialist and communist movements in Europe and Asia are largely spontaneous, native, and popular, and not manufactured by Russia. We must not intervene to suppress these popular movements."

"Fourth, we must not become the supporter of British imperialist interests where these conflict with the Russian. Instead, we must conceive of ourselves as mediators between Britain and Russia and seek to help these two countries compose and compromise their differences in the Balkans, the Near East, the Middle East, and the Far East."

Dr. L. E. Hinkle, chairman of the State College Public Lectures Committee, presided.

Notice

Attention all Textile students. There will be a Tompkin Textile Society meeting on Friday, October 12, Dean Campbell will speak. Refreshments will be served.

There will be a meeting of the American Society of Civil Engineers in Room 203 of the CE building at 7:00 o'clock Tuesday, October 9. All new students enrolled in civil engineering are invited to attend.

A meeting of the editorial staff of The Technician will be held at 8:00 o'clock Monday night, October 8. Anyone who is interested in working on The Technician please come to this meeting.

NEW COURSES

(Continued from Page 1)

growing importance of the knitting industry to the economy of North Carolina and the Southeast, Dean Campbell said.

The freshman and sophomore academic years are the same in the new curriculum as for textile manufacturing, but specialized instruction has been outlined for the last two years of college study. A total of 18 credit hours has been allotted during the junior and senior years for elective courses to be selected from the humanities, military science and tactics, languages, literature, pure mathematics, natural science, and social science.

Additional information may be secured by writing to Prof. W. E. Shinn, head of the knitting department in the State College of Textiles.

NOTICE!

Class meetings scheduled for last Wednesday at 1:00 were postponed on account of the long Founders' Day program. They will be held at the same places as announced before at 1:00 p.m. on Tuesday, October 9.

STATE

Friday and Saturday
Joan Davis, Bob Crosby, Jane Frazee in "KANSAS CITY KITT"
Late Show Saturday Night and Sunday and Tuesday
Ann Miller, Joe Bonner, William Wright in "EADIE WAS A LADY"
MONDAY EVENING ONLY
One Performance: 8:30 p.m.
"SCHOOL FOR BRIDES"
Broadway's Bowery Fare Comedy
Wednesday and Thursday
"THE WOMAN IN GREEN"
with Basil Rathbone and Nigel Bruce

Jitterbug Dancing Loses 'Jump' Title

Jitterbug dancing, for many years now the self-acclaimed king of all things "jump," lost its title recently to the kind of dancing they did "at a hot time in the old town tonight," when a General Electric vibration meter scientifically proved that the old-fashioned polka makes the "joint jump" some 30 per cent more than jitterbugging.

At Arthur Murray's Fifth Avenue dancing studios, the vibration meter departed from its usual environment of industrial machinery and tested vibration (scientist's synonym for "jump") of a variety of old and new dances including waltz, tango, rumba, fox trot and waltz besides jitterbugging and polka.

The polka set the "joint a-jump-in" to the tune of 170 mills per second vibration, while the best effort jitterbugging could muster was 120 mills per second. Jitterbugging even had two chances to prove itself being demonstrated first in the subtle Arthur Murray manner and then in the "knock me down and beat me" Harlem version. The later ran 120, while the former was good for only 40 mills per second vibration or "jump."

The highly sensitive G-E device, which can measure anything from a pin-drop up, offered undisputed proof. A pickup with superhearing that rested on the floor caught every vibration as a dozen professional dancing couples performed. Vibrations were transposed to voltage pulses, then transmitted to a G-E photo electric recorder, where they were written down in black and white in terms of number and speed. From such graphic illustration, a mean vibration for each dance could be computed.

That the polka's king size 170 mills per second vibration sums up to plenty of "jump" is indicated by the fact that a noisy pneumatic "jack" drill will set up a pavement vibration almost 70 per cent less. Pavement under pounding of a pneumatic drill was checked at 57 mills per second.

The waltz, as performed, proved itself smoother than even ordinary room vibration, caused by sound and outside street traffic. While the ball room registered a base vibration of six mills per second, the waltz ran only 3.8 mills per second additional vibration.

The samba with 10 mills per second, the tango with 9.7 and the fox trot with an even 7 all recorded less vibration than that made on the same floor by an electric razor, which ran only 10.7. A fast rumba boosted the photoelectric stylus over to 25 mills per second equivalent to floor vibration when a door swings shut.

The General Electric vibration meter, in less sleek surroundings than Arthur Murray's, determined vibration of industrial machines and adjacent apparatus, so that correction can be made or machinery constructed strong enough to withstand the checked amount of vibration. In wartime, the vibration meter's "big brother" checked vibrations of gun emplacements when heavy weapons were fired, so that emplacement could be built sturdy enough to absorb safely this grimmer type of "jump."

Navy Scientist Holds German Scientific Superiority A Myth

The widely-held belief that Germany had a scientific and technical superiority over America and its Allies was discredited by one of the leading physicists in the United States and a top-ranking member of the Naval Ordnance Laboratory at Washington, D. C., at a dinner meeting in honor of Dr. Charles E. Skinner, organizer of the Westinghouse Research Laboratories, on the eve of his eightieth birthday. Counter-evidence to the German scientific "supermen" belief was given by Captain Leonard B. Loeb, Assistant to the Officer in Charge of the Naval Ordnance Laboratory.

Dr. Skinner's work with Westinghouse, and his services as a consultant with the Army Signal Corps Laboratory for the past two years, were cited by Dr. L. W. Chubb, director of the Westinghouse Research Laboratories, who paid tribute to Dr. Skinner's pioneering in industrial research. M. W. Smith, Westinghouse Vice President, presided at the dinner.

Captain Loeb, who is on leave from the University of California, pointed out in his talk that many people have been gullible in accepting German claims to being a race of "supermen of science." He added:

"The belief in the minds of some in the technical superiority of the Germans has in fact gone so far as to make it seem desirable to insure future national safety after this war by discovering what the 'supermen' had in mind for future developments in the art of war."

"Nothing could be more erroneous than such a viewpoint. When the score is cast up at the end of this war it is believed that the enemy in general not only made few great scientific advances during the conflict but that the Allies separately, and much more so collectively, greatly outdid the enemy."

CLARK

(Continued from Page 2)

gineering and military science and last but not least textile manufacturing.

"At first there had been some opposition to military training, but before the first decade had passed State College graduates were serving as officers in the War with Spain, and they were called upon in ever increasing numbers in the first World War and in the Global Conflict just ended. In every instance they have seen their duty a sure thing and have gone for it then and there."

Vogue
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Welcome
Students

COME TO THE VOGUE FIRST

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New

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AMBASSADOR

Friday and Saturday
Claudette Colbert - Don Ameche
Richard Foran in
"GUEST WIFE"

Sunday - Monday - Tuesday
"CAPTAIN EDDIE"
The story of Rickenbacker starring
Fred MacMurray - Lynn Bari
Thomas Mitchell

Wednesday, Friday and Saturday
ERNE PYLE'S
"STORY OF G. I. JOE"
Starring
Burgess Meredith
as ERNE PYLE

Refresher course



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CAPITOL

Friday and Saturday
"Saddle Serenade"
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Chapter 2 of "Master Key"
Sunday
"Bar 20 Rides Again"
starring Hopalong Cassidy
Monday and Tuesday
"Sally O'Rourke"
with Alan Ladd and Gail Russell
Wednesday and Thursday
Charlie Chan in
"Shanghai Cobra"