

## Reserve Officers Eligible To Join New Officer's Club

### Ruling Limits Membership To Those Who Have Received Commissions at N. C. State College

Anyone who has received a reserve commission at State College is eligible for membership in the N. C. State College Officers' Club as an alumni member, it was announced early this week by F. M. Clements, president of the largest club on the campus.

Clements stated that there has been some misunderstanding as to those eligible for membership in the club. All those having graduated from State College and who have received their commissions, and those who have not yet graduated but have received their commissions, will be eligible, and will be classed as alumni members. By paying the same dues paid by student members, all alumni members will be entitled to attend all the social affairs sponsored by the organization.

There has also been some controversy as to the eligibility for membership of students who are taking the advanced ROTC course, but are not on the pay roll. All advanced students falling in this category may join and will receive the same privileges granted to all other students in this category. Clements also stated that plans are being pushed to obtain Tommy Dorsey, Glenn Miller, or some other big-name band of the same caliber for the Military Ball. Practically all the large booking agencies have been contacted in an effort to sign some well-known band for the affair, to be held in February or the early part of March. Plans are also being considered to decorate the gymnasium in a manner appropriate for the Military Ball. It is hoped by members of the Officers' Club that a tradition will be founded about the Military Ball this year. It is planned to obtain a top-flight band each year and to make the affair one of the most colorful social events of the year.

## Chemists Continue Peacetime Pursuits At State College

### Research Devoted to Man's Advancement Rather Than To Finding New Lethal Weapons

All chemists are not devoting their time and ingenuity to the fashioning of lethal weapons of war. At State College chemists are steadily pursuing research to create a better life by peaceful, constructive means. Most of their endeavors are designed to aid agriculture, thus contributing to the welfare of all.

A survey of chemical research underway at N. C. State College today revealed scientists working on a wide variety of projects from which agricultural productivity will derive considerable value. While their work is far removed from more direct preparations for emergency, they are aiding national defense by paving the way for better production of various commodities of the armament industry.

Adolf Mellich, associate soil chemist, is delving into the relation of chemical and soil factors to parasitic diseases of plants, hoping to find a preventive for Granville wilt, the plant disease which caused the economic loss to tobacco in 1939 and 1940.

Various relationships such as crop rotations, environmental conditions and influence of chemicals on disease organisms are being studied. Other experiments for soil improvements are underway. Chemical research is being continued on (Continued on Page 6)

## Debate Team Leaves To Defend Title

### Ratchford Heads Squad Going to Toledo for Championship Tournament

State's championship debating squad left the campus Wednesday night heading for Toledo, Ohio, to participate in the Mid-West Direct Clash Debate Tournament at the University of Toledo.

## TEN OUTSTANDING juniors and seniors recognized for outstanding qualities of character, scholarship and service have been initiated into the State College chapter of Blue Key, national honor society. New members are shown here.



## Many Research Projects Carried On At College

### Engineering Experiment Station Sponsoring Work Vital To National Defense

A dozen research projects of important and practical value are being conducted at State College under sponsorship of the Engineering Experiment Station, Dean Blake R. Van Leer of the School of Engineering announced today.

Directing the projects, some of which are vitally concerned with national defense, is Prof. Harry Tucker, director of the experiment station.

Prof. G. Howard Satterfield of the Chemistry Department is preparing, in cooperation with the Duke University Medical School, a study of night blindness in relation to automobile accidents. Dr. J. L. Stuckey, head of the Department of Geology, is preparing a study of the geology of Wake County in cooperation with the office of the North Carolina State Geologist and the United States Geological Survey.

An investigation of steel beam bridges with concrete floors is being conducted by Prof. C. R. Bramer of the Department of Civil Engineering in cooperation with the State Highway and Public Works Commission. Prof. Bramer also is in charge of research on the efficiency of small sewage treatment plants, a project in which the State Board of Health is cooperating.

Prof. R. R. Brown of the Department of Electrical Engineering heads, with the cooperation of the Carolina Power and Light Company, a study of insulation drying with refrigerated air. Another project in Prof. Brown's charge deals with the effects of varying voltage on single phase motors. The Rural Electrification Administration is cooperating on the latter project.

Testing of motor fuels is a project headed by Prof. R. B. Rice of the Department of Mechanical Engineering, in cooperation with the testing division of the State Department of Revenue. An investigation of the design and capacity of gutter intakes is being conducted by Prof. N. W. Conner of the Engineering Mechanics Department. (Continued on Page 6)

## Textile Graduates Receive Promotions

### Former State Student Takes over Marshall Field Towel Plant

Several prominent graduates of the State College Textile School have recently been promoted to better positions during the past few months.

J. H. Ripple, one of State's outstanding athletes of the past and a member of the class of '21, has been promoted from his superintendent post to general manager of the Marshall Field towel plant at Fiedale, Virginia. He has two more former State athletes working with him: Woodie Lambeth of the class of '25 and Neil Dalrymple, former captain of the Red Terror basketball team and a member of the class of '27.

## Ceramics Fraternity Initiates Two Juniors

### Ceremony Followed by Annual Memorial Banquet At Colonial Pines Hotel

P. P. Turner, Jr., of Greensboro, and J. W. Nance of Raleigh, juniors in Ceramic Engineering, were initiated into Keramos, national professional ceramic engineering fraternity, last Monday evening.

The initiation ceremonies were followed by the annual Orton Memorial banquet at the Colonial Pines Hotel. The banquet commemorated the establishment of the world's first department of Ceramic Engineering at the Ohio State University in 1894 by Dr. Edward Orton, Jr.

Keramos was organized at the Ohio State University in 1902 and is the oldest professional engineering fraternity in the country.

## Freshman Politics Reaching Fever Pitch

### Candidates for Offices "Go To Town" As Election Day Approaches

The freshman political campaign is reaching a fevered pitch as the candidates are about to put on the heat entering the home stretch.

Jack Moore and Dave Willis are candidates for frosh class president while Eugene Dawson and Bill Creek will contest their respective degrees in honor of the vice-presidency. Robert Reynolds and Allen Ambers will run the race for secretary-treasurer. Tom Morgan and Fred Wagner are slated to run for the honor of freshman representative to the student council.

The positions of honor are being hotly contested by both candidates for each office. The tempo of the race has reached a fervor as the contenders, in a last stand for supremacy, try to gain the confidence of the majority before election day on December 5. Several campaign committees have been working diligently for their representatives in a strong drive to gain the necessary votes for victory.

## State Book Exchange Opens At Registration

### Non-profit Organization Sponsored by Council to Be In Bigger Quarters

The Student Book Exchange, a non-profit organization sponsored by the Student Council, is being buying and selling used books, will reopen on January 2.

The exchange will be located in its new quarters on the first floor of the Publications Building, and new shelves and other facilities for handling larger numbers of books have been installed.

## Twenty Men Starting Advanced CAA Course At Raleigh Airport

### Program Calls for 145 Hours Ground School, 45 Hours of Flying, Before March 15

Advanced flight training offered through State College by the Civil Aeronautics Authority has started at the Raleigh Airport for 20 students. Prof. L. R. Parkinson, head of the Department of Aeronautical Engineering, announced today.

The course calls for 145 hours of ground school and 45 hours of flying, and must be completed by next March 15. Ground school is being taught at State College, which is one of the first 13 schools in the country that participated in the government's student pilot training program for national defense.

Only students who successfully completed the primary flying course were accepted for the advanced flight training, which is being financed by CAA with the exception of insurance and medical fees.

Youths taking the advanced course are Mettauer E. Davidson, Jr., Charles R. Brown, W. Vance Baise, Jr., Ralph L. Burgin, Jr., and Bunn Hearn, Jr., Raleigh; William W. Dodson, Jr., Harrisburg; Henry L. Cromartie, Garland; William L. Brown, Bronsville, N. Y.; Charles H. Mayo, Greenville; Robert J. McCormick, II, Wilmington, Del.; Derward B. Harper, Garner; John J. Wilfong, Newton; Edward M. Harris, Jr., Goldston; Thomas M. Tilley, Bahama; James D. Myers, Chapel Hill; Richard W. Files, East Orange, N. J.; Woody B. Hilburn, Jr., Bladenboro; William A. McCormick, Jr., McDonald; Malcolm D. Duncan, Roxboro; and John M. Hughes, Jr., Henderson.

Three of the advanced aviation students are enrolled in Duke University: Dodson, Files and Robert J. McCormick, II.

Forty State College students are now taking the primary flight training. The CAA program was started at State College on an experimental basis in the spring of 1939 and proved so successful that it became a permanent part of the national defense program. Only 13 colleges throughout the country were selected for the experimental phase. Since the CAA program started, scores of State College students have learned to fly, and many are now in the Army and Navy air corps and in the aircraft industry.

## Ratchford Elected Ag Club Leader

### Politics Featured in Organization's Final Meeting Of Term

Brice Ratchford was elected president of the Ag Club for the coming winter term at the meeting in Withers Hall Tuesday night. Arnold Krochmal, second high man, automatically became vice president. The count was 60 to 15.

Carried on with the cigar tossing and oratorical speech making of a national political rally, the elections were fought and lost and won in true American style.

The office of secretary was the most hotly contested position. Mark Goforth finally won over King by one vote. Nominations for that office were Goforth, Clarence King, and Quentin Patterson.

## Entire Faculty Will Vote On Cut System Revision

### G. U. Night Planned At Famous Dance Spot During Xmas Holidays

#### Students from State, Carolina, W. C. to Meet; Jimmy Dorsey to Play

Students desiring to attend the Greater University of North Carolina Night celebration December 23 at Meadowbrook, famed night club near Cedar Grove, N. J., were urged yesterday by Larry Gelb and Frank Santopolo to make reservations with them as soon as possible. No money will be required with the reservations, and students may make their expenses whatever they desire at the Meadowbrook jamboree.

Gelb lives in Room 304 of a Dormitory and Santopolo may be reached in Room 326 of a Dormitory.

Jimmy Dorsey and his orchestra will play for the Greater University celebration, a portion of which will be broadcast. A large delegation of State College students living in the New York City area is expected to attend the jamboree, along with a considerable delegation of alumni. President T. K. Mial of the New York Alumni Club said details of the celebration will be announced at his next meeting.

Gelb and Santopolo, with Lawrence Goring, are in charge of arrangements at State College. The University units at Chapel Hill and Greensboro also have committees working to secure a good representation of students and alumni at the celebration, for which a number of special features have been planned.

A great deal of enthusiasm among New York and New Jersey students met the original announcement of plans for the Meadowbrook program, Gelb announced yesterday. He urged students desiring to attend to make the reservations at once, as the management may know how many to make accommodations for.

## Lambda Chi's Give Christmas Party

### Dink Caton To Play Santa Claus for the Needy Kids At Annual Festivities

The underprivileged children of Raleigh will be entertained at the third annual Christmas party to be given by the members of the Lambda Chi Alpha fraternity at their chapter house on Clark Avenue, Sunday, December 8.

As has been the custom in the past years, the children will be the guests of the fraternity in the afternoon, during which time they will engage in games and contests.

Prizes will be awarded to the winners in each of the games and contests.

Dink Caton, popular member of the Wolfpack squad, will don the garb of jolly old Saint Nicholas and each of the children will receive a bag of gifts for the kids.

Bill Edwards, Ed Grosse, Gordon West, and Punchy Miller are the members of the committee that are in charge of all the arrangements.

## Winter Registration Dates Are Announced

### Freshmen to Register January 2; Upperclassmen On January 3

All students classified as freshmen during the fall term of 1940-41, whether in the Basic Division or the technical schools, will register Thursday, January 2, 1941, which is the date set in the catalog.

All students classified as sophomores, juniors, seniors, graduate students and special students, whether in the Basic Division or the technical schools, will register on the following day, January 3, 1941.

## Lecturer Discusses Plight of Students In War-Torn Areas

### Luther Tucker, National YMCA Executive Secretary, Speaks to Campus Leaders At Banquet

The North Carolina State College YMCA was host last Monday night to a number of student leaders at a dinner given in honor of Mr. Luther Tucker, Associate Executive Secretary of the Student Division of the National YMCA.

Mr. Tucker was introduced by Assistant Dean Romeo Lefort and spoke at length of his work as Traveling Secretary for the World Student Service Federation. He has recently returned from an 18-month survey of the problems of the students of China and Japan.

"The futures of the nations in the Far East are concentrated in the hands of the few students who are able to carry on their work despite the war-torn conditions prevalent in their countries," Mr. Tucker stated, "and the purpose of the World Student Service Fund is to aid these needy students by supplying them with funds and equipment with which to work. The relief funds made available through this organization thus help keep alive and salvage the intellectual life of these nations."

The speaker went on to cite numerous examples of the hardships endured by the students, especially Chinese, in order to gain an education. While formerly there were 114 colleges in the Yangtze Valley, there are now only eight able to carry on their work in their own buildings because of the concentration of the fighting in the same area. Another great disadvantage is the fact that no time is available to move any of the heavy laboratory equipment when a sudden change of location is necessary. At one time, a group of Chinese students walked a total distance of 1200 miles in order to keep up their studies unmoleted.

Each year, a goal is set by the World Student Service Federation. This year, the amount that the organization will try to raise has been set at \$50,000 in the United States alone. This amount will be used to aid Chinese students, while a similar amount will be raised for European countries in England, even though at war herself, does her part toward the world wide goal. The aid that can be given students in warring countries by the organization is necessarily small, but is one of the few constructive things that can be accomplished at the present time.

All money collected by the World Student Service Fund is sent to the national office in New York City. From there it is transmitted to Shanghai, for the Far East, and Geneva, for European distribution. The fund is not dispersed haphazardly, but each student is investigated by the local relief organization before receiving any aid. All work is done on a voluntary basis, the organization maintaining a staff of only two men.

## Used Clothing Drive Sponsored by YMCA

### David Ray Whitted Chosen Head of Committee to Visit Dormitories and Collect Clothes for Raleigh's Needy

The annual YMCA drive for used clothing will begin next Wednesday night, following a program of Christmas poems and readings by Mrs. Charles Doak, in the Y.

The committee of students who will be in charge of collecting the clothing through the dormitories is headed this year by D. R. Whitted, and he and his assistants will begin canvassing the campus immediately after the program by Mrs. Doak.

This is the third year that the Faculty Service Society of Raleigh has helped the students by taking charge of distributing the clothing that is donated by them, and they have sent the following message to the State College YMCA: "It means a great deal to us and to the other relief agencies in town to have the cooperation of the State students on this project, for it provides men's clothing which we could not get from any other source."

Mrs. Doak's program will begin in the north end of the YMCA at 7 o'clock next Wednesday, and all State College students are invited.

## Faculty Council Refers Bill To General Faculty Following Session With Student Representatives

The new and revised cut bill adopted and passed by the State College Student Assembly was presented to the Faculty Council this week.

In compliance with the request of the members of the executive committee of the student organization, Col. Harrelson, chairman of the Faculty Council, called Spud Davidson, president of the Assembly; Paul Lehman, president of the Student Body; Henry E. Rowe, editor of The Technician; Bruce Halsted, president of Blue Key; Wayland Reams, president of Golden Chain; Dud Kaley, editor of the Agromeck; and Bill Friday, president of the Senior Class to appear before the group and give the student viewpoint on the requested change.

Discussion of the bill was carried on between the two groups for approximately an hour which culminated in the Council voting to submit the legislation to the general faculty at the next meeting for them to vote on.

The bill drawn up and presented by the student group last year requested that one cut be allowed each student for each credit hour that he might be taking. Realizing that there was no need in getting such a drastic change in the cut system the Assembly drew up the new bill that is now before the general faculty that has only one major change or request and that is that the probation limit that is now in effect be changed.

Under the present system each student is entitled to 20 cuts per year and a grand total of 60 for the four years in school. By breaking down the figures a survey shows that in reality each student is entitled to only five cuts per term if he should take the maximum number of cuts during each term.

## Honor Groups Plan Annual Food Drive For Raleigh Needy

### Golden Chain and Monogram Club To Sponsor Yearly Project; Plan Personal Canvass

A drive to collect food for the less fortunate people of the city of Raleigh is being put on next week by the Golden Chain and the Monogram Club, leading campus organizations. The drive will run from Monday to Wednesday, December 2-4.

Members of the organizations plan to visit the rooms of all students on the campus to remind them of the fact that they are contributing to a worthy cause, and urging them to help to the best of their ability.

Containers will be placed on each floor of every dormitory, and a committee has been appointed to visit every fraternity in order that each student may have a chance to do his part in making the drive a success. Commodities may be placed in the boxes at any time and the goods will be collected Wednesday night.

Arrangements have been made with one of the local welfare groups to distribute the food among the needy during the holiday period.

Thursday the goods will be sent to the welfare group which will keep them in storage.

## W. H. Rankin Speaks To Agronomy Group

### American Society of Agronomy Hears Address of State Farm Leader

Mr. W. H. Rankin, North Carolina State Agronomist, spoke before the State College chapter of the American Society of Agronomy at a meeting Tuesday night.

Recent soil fertility experiments in western and Piedmont North Carolina were analyzed by the speaker. Husbandry of farm pasture and crop rotations also formed a major topic of the discussion.

The newly elected officers of the society are: E. M. Stamey, president; S. N. Hawks, vice president; Herbert Spess, secretary; N. W. Seagraves, treasurer; and R. S. Moss, publicity manager.

# THE TECHNICIAN

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By the Students



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State College

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## "We Have Always With Us"

As horror stories from the war zones of Europe continue to invade the United States from the propaganda departments of the governments engaged in conflict, we are prone to forget the conditions of actual war that exist right here in our midst. While there can be no doubt that conditions of war exist in a great many places across the seas, it seems only fair that we first look in our own backyards and alleys in an effort to try to remedy such conditions in our own localities.

Starting the first part of next week, the Monogram Club and the Golden Chain honorary society are assisting local charities by sponsoring a "Food Drive" on the campus. This drive is for the purpose of helping deserving families in the city of Raleigh by asking for donations of food from the students. The food contributed by the State students will be turned over to a local charity for distribution.

Food to be donated may be given by the students through their fraternities or may be placed in baskets which will be located in all the dormitories.

Since few of us are actually rich, it is impossible for us, by ourselves, to make any really valuable contribution to anyone. Working together on a project of this kind, however, we are able to make contributions that will be of real value. This is our chance to help someone who is really deserving and needy, and we should be proud of the opportunity.

## N. C. State Needs Help!

We have no way of knowing the decision of the Budget Commission after they considered the appropriations requested by Dr. Frank Porter Graham for the Greater University of North Carolina. Their decisions will not be made public until after the General Assembly convenes in January.

However, we do know that Dr. Graham really went to bat for North Carolina State College, for we were there and heard him speak with absolute impartiality for the needs of the three units. If anything, he was partial to State College in the way he presented the requests.

As students, we can do much toward getting our requests through the legislature. Before long we will be going home for a vacation of almost three weeks and during that time it is up to every one of us to see our State representatives and senators in an effort to convince them that we are really in need of more financial help. While our enrollment has been going up, our appropriations have been standing still. Our classrooms are overcrowded, we have no building where we can all assemble under one roof, and our laboratory facilities are pitifully inadequate. This just about sizes up the situation. There are many other things that we need, but we will have to do without a lot of what we have requested.

Make an honest effort to meet your legislators during the holidays, see them yourself and get your family and friends to see them. In January they will all be here in Raleigh and we can see them again at that time, but it will be much easier if we already know them.

We suggest that campus organizations make it part of their program to urge their members to do everything that they can to see that the requests of Dr. Graham pass the legislature. The Young Democratic Club of State College has already taken the lead, and other clubs would do well to follow.

In view of the present national emergency, it should be easier than ever before to get an appropriation for the training of technical men. Probably the greatest reason that State College has been neglected in the past is the indifferent attitude of its students and alumni. As Shakespeare or someone once said, "It is not in our stars that our faults lie, but in ourselves." Let's all work together for a greater State College and for the Greater University.

## About The Telephones

Since the dormitory telephones have been in operation this term many complaints have been heard, both from the students and from the operators.

We are inclined to believe that both sides are justified in their complaints, but we also believe that these complaints arise from a complete lack of understanding of each other.

Students do not realize the difficulty of serving 1600 dormitory men at one time. On the other hand, those who operate the system have never had to wait as much as four or five minutes to even get an operator. Certainly, nothing is more exasperating than having to wait for the operator to answer, but if you will go over to the YMCA and watch the switchboard, you will see that the operator is busier than the proverbial one-armed paperhanger.

The real difficulty lies in the fact that the present system is inadequate to take care of the approximately 1,000 calls a day that are made.

It took a long time to get these telephones—about five years. The proposal even had to go before the Board of Trustees. The present system is certainly better than none at all, and will eventually develop into something much better if everyone will cooperate. We could not start out with a large and complete system for the same reason that the business man does not start out on a new venture on a grand and reckless scale.

The language that some students have been using over the phones and to the operators is inexcusable, even under the circumstances.

To help make the system we would like to make the following suggestions: (1) Tell everyone who might call you to ask for your dormitory and dormitory floor. (2) Do not bang the receiver or click the hook up and down. The operator will answer as soon as she can. (3) As you answer your telephone, give your name, dormitory, and floor number. (4) Be patient. The operators are doing their very best to help you.

## OPEN FORUM

### To Dormitory Telephone Users:

Our voices are heard not only in Raleigh, but in all parts of the state. What we say in answering the telephone, and the conversation in the hall while the receiver is down goes out to the public at large. This is the only insight that much of the public has on our dormitory life.

One night last week I called a dormitory. What did I hear? In the first place a boy let out a few oaths and curses and said, "Shut up, I want to use the phone." Then he hung up the receiver and left. Finally another answered as rather vulgar language came to my ear from down the hall. He didn't say a thing to let me know I had the right floor, much less the right dormitory. For all I knew it might have been the insane asylum from the language. Is this the kind of reputation we want to spread over the state? Is this what we want our fathers, mothers, sisters, and girl friends to hear when they call? Certainly not! I am sure that many of us would be horrified to find our mothers at the other end of the line under such circumstances.

Also, the switchboard is operated by a young lady. As students of State College, should at least have respect enough for her, much less ourselves, to talk in an orderly manner. Some have had the audacity to bless her out when she is making a noble effort to help them.

Furthermore, a great deal of the complaint of having to wait, not being able to get service, or that the operator is slow, is absolutely uncalled for. If each of you would answer properly, promptly say your number distinctly, and not monopolize the telephone, you would get more and better service. Also, the receivers are not made to bang against the wall or up and down on the hook. If they are banged up and down on the hook, this simply delays your call. It is your place as well as mine to see that we and our fellow students at least be gentlemen in this matter. The telephones were hard to get, but they will be even harder to keep unless a marked improvement is shown in the future.

If you want to talk to a girl over five minutes, why not go to see her and be done with it? After all, we have only six outside trunks, and one of these is for incoming calls alone. These six trunks have to carry the load of all 24 extensions. I believe that two or three minutes of patience will give you an outside trunk when all are trying to cooperate.

Let's be more thoughtful, decent, respectable citizens of State College. You want a job when you get out, don't you? Well, your dormitory telephone conversation may get or lose the job.

If you have any suggestions to make please see R. L. Mayton, chairman of the dormitory telephone committee. He will be very glad to talk to you and to show you the switchboard. If you will come by the YMCA I, too, will be glad to let you see the switchboard operate. We need your support and are counting on you.

C. H. KIRKMAN,  
Student Member of the Telephone Committee.

### To the Editor:

The Monogram Club wishes to express its appreciation to those persons whose fine cooperation has helped make this a very successful term. The success of a project sponsored by any organization depends not only on the organization but also on the help and advice of a great many others.

We would like to express our thanks to Professor F. M. Haig for the help given us on the Football Parade, to Bill Friday, Colonel Harrelson, Mr. L. L. Ivey, Ray Reeves, and Mr. Ed King for making the "Father's Day" banquet a success, and to the many others who have given us their assistance.

The Monogram Club and Golden Chain are sponsoring a food drive which will last from Monday through Wednesday. We would like for every student and faculty member to contribute toward making a happier Christmas for Raleigh's needy. In the rush of college life some of us never stop to think that there are others who are hungry and without proper clothing.

Beginning Monday night at 8:30 every room on the campus and every fraternity house will be visited by a Monogram or Golden Chain member who will be selling food at regular prices. In this manner, the students will be able to contribute with no inconvenience to themselves. Let's all make this a happier Christmas for someone else.

TOM ROWLAND,  
Monogram Club President.

### To the Editor:

Unless the Athletic Council reverses its action in abolishing boxing, State's chances of having a team again in the next few years are gone. Already several of the boxers have signified their intentions of competing in the Golden Gloves Tournament, an action which will bar them from ever competing in Southern Conference boxing.

The proponents of abolishing boxing point out that it is a rough sport. The figures DO NOT show that. In the three years, 1937-1940, there was not a single injury in intercollegiate boxing here that required more than simple first aid. Compare that record with the record of football, baseball, basketball, and even intramural sports.

This fall one freshman football player has sustained a fractured ankle, and several varsity players have sustained injuries that required their confinement to the infirmary and medical attention. Last spring one freshman baseball player fractured his ankle. Two years ago three varsity basketball players had to hobble around on crutches after a particularly playful tilt with Wake Forest. Yet no one thinks of condemning these sports.

Then why should boxing be made to suffer for something it is innocent of? Let's have boxing at State!

"ACE" KROCHMAL.

## BEHIND THE MIKES

By JACK THURNER  
AND  
ALBERT JOHNSON

Count Basie, who gave Raleigh one of its seasons, has been threatened to junk his band. Basie says that he is going to join Bennie Goodman who incidentally has been playing with Basie. The discussion is over the long jumps which the band has to make between jobs and the scarcity of night spots with a wire. The band has been making money for the booking agents, but hardly any for Basie, which causes more discussion.

Milton Ebbins, his road manager, told this column that the band probably wouldn't break up but would change booking agents and hope for a better break. This is probably what will happen since on its recent southern tour the band broke records everywhere.

Hande and Basketball Name hands and basketball are the newest combinations. Vincent Lopez has been signed to play for the American Professional Basketball League's game. Lopez at the moment is the featured soloist on The Show of the Week.

Dean Hudson, who played at the Pika Ball last year, opened November 18 at the Blue Gardens in Armonk, N. Y. This is his first big northern job and should do the band a lot of good since this spot has 10 Mutual Network nights a week. This is the spot that brought the McFarland Twins into prominence.

Dance Spots The lineup, as best can be gotten for the bands during Christmas is as follows for the New York area. Jimmy Dossy at the Meadowbrook followed by Les Brown December 27. Jimmy is to play for the big Greater University Night Party December 23. Tommy Dorsey will be at the Paramount Christmas week, Charlie Spivak at Glen Island, Glenn Miller at the Hotel Pennsylvania, Eddie Duchin at the Waldorf, Will Bradley at the Biltmore, Johnny McEee at the Saint George, and Johnny Long at the Roseland.

The Turntable Hal Kemp returns to the turntable with a platter done in the famous Kemp style of sub-tone clarinets and muted staccato brass. "The Moon Fell in the River" and "I Hear with Red Hair" have Bob Allen vocal which are reminiscent of Skinny Ennis. Larry Clinton does a special arrangement of "Dance of the Reed Flutes" and "Arab Dance" from Tschalkowsky's "Nut-Cracker Suite." Art Ryerson's guitar and some fancy clarinet effects combine nicely on Raymond Scott's theme "Pretty Little Petticoat" and "A Nice Day in the Country." Leo Reisman records the two hit songs from "Panama Hattie"—"My Mother Would Love You," and "Make It Another Old Fashioned Please." The Moon is Crying for Me. Larry Taylor on the vocal and "I Hear a Rhapsody" have very little Barnett sax although they are pretty ensemble numbers, with a Valentine vocal.

The writers of this column wish each and every one of you a very Merry and Musical Christmas and the best of success in the coming year.

## -AND THE GATE POST-

Here we are back again after dodging the members of the canine clan since our initial appearance last week.

Famous Quotes . . . Tom Rowland at the Christmas masquerade . . . "Hello there you little cute Santa Claus."

Bob Pomeranz after the Duke game . . . "I'll never spot again."

Fabe Clements . . . "It was the barbecue that did it."

Herman Hickman at the frosh game . . . "There are more red shirts out there than Cornwalls had at Bunker Hill."

Open Letters . . .

To FDR: We were for you on the third term and even when you opened the window of Congress and let the draft through, but a fourth term is too much like a Red Ryder serial.

To Coach Newton: We second your nomination as the Coach of the Year. You and your staff have done a swell job making the Wolf-pack the thrill-a-minute ball club of the Big Five.

To Herman Hickman: Welch's Grape Juice did it for Irene Rich.

To the student body: The honor boys are doing a good job in raising food for the needy in Raleigh, so let's deny ourselves a pack of cigarettes or a show fare and give some poor kid something to eat during Christmas. We'll bet it will make your holidays a lot happier. Incidentally, the Order of the Rail endorses the movement so it's bound to be a good thing.

To the Raleigh girls: Congratulations! You're the only group of girls we've ever seen that can say goodnight from behind a screen door—and get away with it! (Nevertheless, we don't like it!)

To "Gus" Gustafson: Hope you get your 90 ft. sleep down here without over-taxing your Ford and trailer!

—and the week before exams the home-town paper has to print Alen Seeger's poem, "I Have a Rendezvous with Death." There should definitely be some kind of a law against such morbidity.

# GLEANINGS

Who knows what evil lurks in the hearts of the faculty members as the evil days draw nigh when we shall say, "I have no pleasure in them." . . . When, in the words of Professor Seeger, "the ones that know will be bothered by those that don't know, and the ones that don't know will not find out anything." . . . When books long lying idle and neglected will be sought out and worn smooth by questing fingers, and pages never before turned will shine under midnight lights . . . and finally, when the awful tall-tale-pages are posted on office doors— . . . the saddest words of tongue or pen . . .

And then will come the vacation—no more wearisome cuts, no early morning classes, no midnight studying, no quizzes, no drill, and no standing in line. Then the parting shouts will be: "See you next term," and the dormitories will grow quiet and remain dark when night comes. Then the "Mop-up" sale of State stickers will jump, and the open road airlines will be crowded, and perhaps motorists will have an abundance of Christmas spirit and good will toward the men beside the road. The home towns will be alive with holly and the smell of cedar and spruce, and the family car will be gone at night, answering the urge of a more wandering driver, perhaps. And January 2 will not be thought of except as of next year, until next year comes.

Sighs of the times: The trees standing with bare limbs which the Hays office has not got around to censoring yet . . . Eston Stokes's extra supply of meal tickets—probably due to the fact that his girl failed to spend the week-end with him. Has she found other sources, Eston? . . . Engineering seniors playing with toy locomotives in the basement of South . . . Max Chestnut's definition of a tea dance, "a dance to get 'teased' up for the evening dance" . . . The ways of Simms with a maid . . . the conglomeration of tuxedos and sweaters at Frederick's concert in Pullen Hall Friday night . . . the debut of the new WATAUGAN . . . engineers joining the ag boys in donning overalls for the "Dogpatch Party" Saturday night . . . and Bill Sawyer trailing the Meredith accordion player . . . the let-up in Willie jokes . . . Bill Shaw's deer hunt—he got it . . . George Barrier's system of grading them on curves . . . a co-ed's supervision of the reconstruction of an automobile at the Country Club Tuesday . . . "Romeo" Eagle's evolution into a Night Owl . . . Frank Weaver's week-end visit with his "aunt" . . . the cosmetic treated honey, Woodley Warwick gets . . . "Kay Kysor" Ratchford's explanation of letters, as the Ag School's co-ed started to enter the Ag Club meeting last week . . . the collection of photographic art in "A" dormitory . . . the Scabbard and Blade pledges doing a prostrate manual of arms in front of the cafeteria. . . .

Jewel Davenport's accomplishments have been extended to the point of receiving fan mail, we hear. It seems that she weighs 116½, and has already finished high school, too. Photograph available on request. It was the straightforward smile that he wore in the picture that did it . . . evidently approach No. 1. Life has taken on much richer color, evidently, for Lester Laws since he became interested in theology, and started going to church with the head of his department. Was it destiny that caused Everett to wait until the last of the term to begin dating a professor's daughter? Or was it that last quiz in Swine Production? . . .

It is strange that people think that John Scott probably has a guilty conscience this week. Why? We're not sure. Maybe because he left off studying and spent the week-end with John Laws . . . Maybe the trip resulted in his first date of this term; and maybe it was with a Wall Street girl of Henderson, too. Basil Dixon also may be having trouble with a guilty conscience. Apparently the first pang occurred while he was answering a telephone call. It is all very confused and obscure, but it seems like it was something or other about the eternal triangle.

And so, with space given out and my fifth columnist resources exhausted, and having probably made myself enough trouble to last the rest of the year, I end this, hoping that the conscription didn't get you, and that the exams do not.

QUENTIN PATTERSON.

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# Merry Christmas

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New Year

### Engineers Wanted By Vital Industry

Graduates of State Much In Demand for Jobs with Prominent Firm of Consulting Engineers

Demands from industry for graduates of State College continue to increase, Dean Blake R. Van Leer of the School of Engineering announced recently.

The latest call for young engineers was received by Prof. H. B. Shaw of the Department of Industrial Engineering from the head of a widely known firm of consulting engineers in Washington, D. C.

Several men are needed at once, Prof. Shaw was told, to fill jobs offering \$150 per month to start and providing excellent advancement possibilities. Mechanical engineers are preferred, with industrial engineers being second choice.

"The industry we serve is sorely in need of well-trained young men and there are good chances for rapid advancement to key positions, as the average man holding down these positions today has not the education or training necessary to cope with modern production systems installed in the last few years," the letter informed Prof. Shaw.

Referring to the possibilities of the jobs, the engineer stated: "We have, for instance, a 1936 graduate making \$6,500 a year with us, and a 1939 graduate making \$3,600." The foremost requirement, he said, is a "balanced mind."

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### NYA Appropriations Help Many Students

Students from Seventy-six Counties Receiving Aid This Year; Small Increase in Appropriation

A total of two hundred and sixteen students, representing seventy-six counties, are receiving aid this year through NYA appropriations, according to a report given out by Self Help Secretary N. B. Watts.

The second year men received more labor assignments than the other classes, with 83 on the list, freshman class made up the remainder, 71 doing NYA work. The remaining 63 students of the total number.

A small increase of five hundred dollars for the year was granted the school, permitting the employment of about three more students than was possible last year.

### English Department Publishes Writings

Faculty of English Department Contributes Articles To Literary Publication

Recent publications by five members of the English Department staff at State College were announced today by Dr. Lodwick Hartley, department head.

Prof. Kenneth W. Cameron has edited a new issue of "Ralph Waldo Emerson's Nature," Emerson's famous essay published in New York by the Facsimile Text Society.

An article by Prof. J. D. Clark, "Smiles from the Folk Speech of the South," appears in the current issue of The Southern Folklore Quarterly. An article by Dr. A. M. Fountain on "The Problem of the Poorly Prepared Student" has been published in College English and in the Journal of Engineering Education.

### MILITARY LEADERS Six outstanding officers in the R.O.T.C. regiment at State College have been elected to membership in the local unit of Scabbard and Blade, national honorary military society. New members, shown here left to right, are: Lieut. Lee Roy Barnes, Oxford; Lieut. William Morrison, Concord; Capt. George D. Lewis, Rocky Mount; Lieut.-Col. Allen M. Hobbs, Charlotte; Capt. Negus W. Knowlton, Charlotte; and Capt. L. Robert Grnell, Greensboro.



### 1940 Ceramic Seniors Outstanding In Research

Eleven Graduates of Last Year Made Important Studies of North Carolina's Ceramic Possibilities

Continuing its efforts to develop the great mineral resources of North Carolina and at the same time turn out young engineers to advance the development of the ceramic industries of the country, the Department of Ceramic Engineering at N. C. State College carried on a program of student research during the past year which should prove of great value to the state.

The 11 young men who received their degrees at the June commencement were assigned research projects as part of the requirements for graduation, and all obtained excellent results. The work was carried on under the direction of Dr. A. F. Greaves-Walker, head of the department, and Dr. W. W. Krieger.

All of the graduates now are in industry or the government service, or are continuing their studies in advanced work.

Suitability of North Carolina clays and shales as substitutes for lime in mortar mixes was investigated during the year by G. M. Gattis, Jr., Louisville, W. S. McLaughlin, Gloucester, Mass., G. C. Robinson, Cooleemee, and E. A. Williams, Jr., of Swan Quarter. As North Carolina is not a lime-producing state and as a large tonnage of lime is used in mortar mixes, the development of a local substitute will mean the saving of thousands of dollars to the state.

The research surprisingly developed the fact that, when substituted for lime, some North Carolina clays and shales not only produce mortars equal in every respect to those containing lime, but mortars that are actually superior in strength and other desirable properties.

One of the new and rapidly growing industries of the nation is concerned with the production of insulating refractories. These products are used as furnace linings to conserve fuel. R. P. McCabe of Raleigh developed a very promising product from North Carolina pyrophyllite, the only refractory clay material found in the state. This product offers excellent commercial possibilities.

Frank P. Sabol of Campbell, Ohio, determined the best grain sizes and mixtures required to produce a refractory from North Carolina pyrophyllite in order to withstand slag action in metallurgical furnaces. This is one of several researches on pyrophyllite which the department has undertaken in the past few years in an effort to attract capital into a refractories industry in North Carolina. As a result, one large manufacturer has become interested and is investigating.

In this connection, John J. Amoro of Gloucester, Mass., who received his M.S. degree, did an outstanding piece of research in producing from pyrophyllite a refractory which does not require preliminary firing in kilns. For years past, efforts have been made to produce a commercial product of this type, but this is the first time it has been accomplished. Elimination of the firing process reduces the cost of refractories approximately one-third and also conserves fuel.

Hal F. Randolph of Raleigh was assigned the problem of producing a cyanite "grog." The small crystals of cyanite, one of North Caro-

lina's important minerals, must be heat treated and bonded before it is suitable for certain purposes. Randolph developed a process which gives promise of having commercial possibilities when worked out on a plant scale.

For many years efforts have been made to produce refractories from zircon, a mineral found in limited quantities in the state. The problem was assigned to J. N. Smith, Jr., of New Bern, with the result that a very satisfactory product was developed. Because of limited time, more work must be done on this project before the process can be considered commercial.

Some of the North Carolina shales do not produce bright red colors. C. W. Izenhour, Jr., of Salisbury was given the problem of producing an engobe or coating that would improve the colors of products made of these shales. He succeeded in producing some excellent engobes in several colors which are now being tried out commercially by one of the clay products companies of the state.

S. W. Derbyshire of Raleigh investigated the physical changes that take place in brick walls after exposure to the atmosphere for a number of years. He found that some North Carolina brick, particularly those not hard-fired, are considerably weakened by weathering. The important result of the investigation was the determination of the hardness to which clay products should be fired to avoid deterioration.

Randolph, Smith and McCabe received fellowships at Ohio State, Alabama and N. C. State, respectively, and will continue work for the master's degree next year. Derbyshire and Izenhour are ceramic engineers for the Izenhour Brick and Tile Company, Salisbury. Gattis is ceramic engineer in the laboratories of the Carnegie-Illinois Steel Company, South Chicago, Ill., and Robinson is laboratory assistant in the mineral research laboratories of the Tennessee Valley Authority at Norris, Tenn. Williams is ceramic engineer with the Mexico Refractories Company, Mexico, Mo., and Amoro is in training for sales engineering work with the Mullite Refractories Company, Shelton, Conn.

Sabol and McLaughlin received commissions as lieutenants in the U. S. Marine Corps and are stationed at present at the Philadelphia Navy Yard.

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### Baver Is Featured On AG Club Program

New Staff Member Speaks Of Agriculture's Place Throughout World History

"There are many fundamental principles in the agricultural life of the past that we can well adhere to today," said Professor L. D. Baver, speaking on the subject, "Built On the Rock Agriculture" to the Ag Club at the meeting Tuesday night.

Professor Baver pointed out that the great civilizations of the world have been based on agriculture, and that the major movements, and even wars, of history have been the result of conditions in agriculture. Among the more recent examples mentioned by Professor Baver was Italy's invasion of Ethiopia by which control of the headwaters of the Nile river was gained for the purpose of irrigating and developing the agricultural sections of the conquered country.

### Education Fraternity Takes New Members

Kappa Phi Kappa, Professional Honorary Group, Initiates Fourteen

Initiation of 14 students by the State College chapter of Kappa Phi Kappa, national honorary professional education fraternity, was announced today by President S. B. Brandon of Yadkinville.

New members are R. Brady Thomas, Oakboro; Marvin B. Smith, Denton; C. W. Tarlton, Marshville; Eston S. Stokes, Linwood; Howard H. Boling, Randleman; Richard E. East, White Sulphur Springs, W. Va.; Vaden B. Hair, Faison, N. C.; Thurston J. Mann, Lake Landing; Jimmie Watters, Bridgeport, Pa.; W. Alan Knight, Goldsboro; J. Willis Johnson, Roseboro; Wilburn A. Fuller, DeJarnette, Va.; Rowland G. Riddick, Corapeake; and Charles K. McAdams, Mebane.

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# Basketball Takes Limelight; Red Terrors Polish Attack

## Smith and Crawford Co-Captain Varsity Coached By Warren

Last Year's Frosh Bolster Squad; Clemson Here on January 10 for Season's Home Opener

The Red Terrors are all set to swing into their '40-'41 schedule after several weeks of tough training and polishing.

Coach Bob Warren has taken over the destinies of the varsity basketballers, and is having a tough time moulding a first-string combination. An above average yearling squad of last year is around to assist what remains of last season's varsity squad which did not qualify for the Southern Conference Tourney.

On December 6 the Terrors open the season by tangling with the Atlantic Christian five in Wilson, and they wind up their pre-holiday games by playing the fast McCrary Eagles of Asheville.

Returning from the squad of last year are several of the "iron man" contingent. Ray Smith is out again at the guard post, Monte Crawford gets the nod at center, and George Strayhorn is out to nab the forward assignment. Smith and Crawford are co-captains.

From Freshman Ranks  
Up from last year's freshman squad are the Mills twins—Joe and Jim—Bernie Mock, fast center; Jack Geil and Buck Carvalho, crack guards; and Bill Ball, forward. Along with these boys are several other candidates who were not out for freshman ball.

The Red Terrors are going to meet 15 conference foes while playing their 19-game schedule. In general, other conference five remain strong. Bonnie Banks McFadden and Clyde Allen, two of the toughest players in the circuit, are gone, but gigantic George Glasmack will be back to lead a Tar Heel squad almost intact from last season.

Wake Forest lost heavily by graduation but they'll have the versatile Herb Cline back, along with Vinny Convery and Tom Bonds. Davidson's Wildcats lost their ace center, Footsies Cowan, but they will put a strong combination on the floor, nevertheless.

The Blue Devils of Duke suffered heavily when Clyde Allen cut his hand last week. He was one of the high scorers for the Cameron crew last year. Replacements are three deep over in tobacco land, however, and the Dukes have no worry of being short of material.

The Terrors will open their home stand with conference opposition on January 10, meeting the Clemson Tigers in Frank Thompson Gym.

## FRESHMAN STARS—VARSITY FOOTBALL MATERIAL FOR 1941

These boys head the squad that has given State its best Frosh season in four years, and has won a co-championship in Big Five Freshman football competition. With nine of the eleven stars hailing from out of North Carolina, it won't be "Country Boys" for long. Left to right the boys in the line are: Mike Andreacchi, Brooklyn, N. Y.; Ray Topper, Easton, Pa.; Will Cameron, Asheville, N. C.; Ray Benbenek, Jamestown, N. Y.; Gene Rayburn, Portsmouth, Ohio; Joe Kwiatkowski, Jeannette, Pa.; and Carl Fitchett, Dunn, N. C. In the backfield: Bobby (Flash) Gordon, Washington, D. C.; Lloyd Ott, Lewisburg, W. Va.; Don Marriott, Herkimer, N. Y.; and Art Faircloth, Washington, D. C. Staff Photo by Doherty Kump.



## Coach Bob Warren Has Compiled Big Win Record

Frosh Give Him Third Big Five Co-Championship; Starred on '27 Dream Team

Last Friday, the State Freshman co-championship in Big Five Freshman football competition.

Coach Warren's Freshies never have won the Big Five title alone, though twice before in his seven previous years as freshman coach his Wolfcubs tied for first spot.

Warren is the only member of the full-time State coaching staff who is an alumnus. Between 1927 and 1929, Bob starred in baseball, basketball and football, here. He was a top star of the '27 crew that last won the Southern Conference football title for State.

Returning to his alma mater in 1930, Bob became freshman football, baseball, and basketball coach. Between 1930 and 1936 Warren's frosh football teams scored 23 victories, suffered eight losses, and tied four times. The record now is 27 wins, nine losses and four ties.

With his return this season to the yearling coaching job came Warren's elevation to varsity basketball coach. He has mentored State frosh cage teams for 10 years, piling up 102 victories and 36 losses. Those wins rolled up four Big Five championships.

Doc Bob Warren also coached frosh baseball here for seven years, winning two championships. Fifty-one games went on the victory side of the ledger, 33 on the loss side. That "Doc" title is real, too, Bob being a graduate osteopath.

## Frosh Close Season By Shading Deadets

Bob Warren's Boys End Season in Three-Way Tie for State Title; Extra Point Wins the Game

By virtue of its 21-20 victory over Wake Forest's Deadets, North Carolina State's freshman football team wound up the 1940 season in a three-way tie with Duke and Wake Forest for the Big Five championship.

Last week's victory over the Deadets gave Dr. Bob Warren's boys a season's record of four wins and one loss, netting them 118 points to the opponents' 33.

The frosh wound up the season in grand style, staving off Wake's fourth quarter rally to win the game on the strength of an extra point. Art Faircloth kicked three extra points, the last of which was the margin of victory.

Minus the services of Passer Bo McMillan, the Techlets jumped into a 14-0 lead at half time and went on to score again in the third quarter. Wake Forest scored its first touchdown on a 60-yard drive from the kickoff in the third quarter without losing the ball. The Deadets scored again in the third period and once in the fourth period. Johnny Perry, who played a one-man game for the Wake frosh, failed in his attempt at the extra point after the first touchdown.

Spectators were sure the Deadets had won the ball game in the closing minutes of play when Tailback Bob Jordan passed to End Warren Brown in the end zone, but Brown dropped the ball as he fell and the pass was ruled incomplete by Umpire Gus Tobell. In a desperate attempt at victory Perry tried a field-goal with seconds to play, but Joe Boley, State's big left tackle, broke through to block the try as the game ended.

## MURAL STANDINGS

### Leisure Sports Results

TEAM	ARCHERY		DARTS		FREE-THROW		TOTAL POINTS
	Score	Points	Score	Points	Score	Points	
Upper South	130	35	1960	35	49	20	90
2nd "A"	104	15	1940	25	58	35	75
1st "C"	112	25	1800	20			45
2nd "C"	110	20	1630	15	27	0	35
1911	42	0	1220	0	54	25	25
3rd "A"			1410	0	48	15	15
2nd 8th	46	0	1620	0	32	0	0
1st 8th			1130	0	26	0	0
<b>FRATERNITY</b>							
PIKA	328	35	2970	35	47	20	90
SPE	171	25	2120	20	53	35	80
Lambda Chi	153	17½	1950	15	50	25	57½
Sigma Nu	140	0	2310	25	43	0	25
Phi Kappa T.	153	17½	1510	0	35	0	17½
Delta Sig	83	0	1600	0	44	15	15
KA	112	0	1630	0	40	0	0
ALT	51	0	910	0	39	0	0
AKPI	42	0	1140	0	37	0	0

## Ruffa and Johnson Picked By Pack On Opponent Eleven

Miss. State and Clemson Vote Three Men Each on First Eleven

Three of the Southern Conference champion Clemson and a like number from the Southeastern Conference power, Mississippi State, landed on the all-opponent team compiled today from votes of the 17 ranking squad members of the Wolfpack squad.

Captain Hunter Cobern, the brilliant Mississippi State guard, topped the balloting with 16 out of a possible 17 votes, closely followed by Tony Ruffa, Duke guard, and Harvey Johnson, Mississippi State halfback, with 15 apiece. Besides Cobern and Johnson, Mississippi State's Buddy Elrod, end, made the all-opponent team for the Maroons. Clemson's three members were End Joe Blalock, Tackle George Fritts, and Fullback Charles Timmons.

Jardine Gibson, substitute blocking back and end, was the only State player to name the correct composite selection. Norm Wiggin, sub blocking back, named 10 of the 11 players. Wiggin selected Gwynn Nowell of North Carolina at guard, Avery named Jap Davis of Duke at fullback, and Jones named Dave Spencer of Davidson at quarterback.

The all-opponent teams and votes cast for each player:

- First Team**  
 E—Blalock, Clemson (12).  
 T—Ruffa, Duke (15).  
 G—Cobern, Miss. State (16).  
 C—Pendergast, Wake For. (11).  
 G—Winterson, Duke (10).  
 T—Fritts, Clemson (13).  
 E—Elrod, Miss. State (12).  
 QB—Lalame, Carolina (13).  
 HB—Johnson, Miss. State (15).  
 HB—Gallowich, Wake For. (6).  
 FB—Timmons, Clemson (10).
- Honorable Mention**  
 Ends: Gondak, William & Mary (1); Jett, Wake Forest (1); Center: Barnett, Duke (2); Halfbacks: Swiger, Duke (1); Black, Miss. State (1); Quarterback: Maness, Clemson (1).

## MURAL MUSINGS

### 3rd "C" Meets 1st 7th In Dormitory Finals

By JIM MacDOUGALL, Jr.

A solid 3rd "A" team outdressed an equally powerful 2nd "C" squad last week to take the upperclass dormitory intramurals. 1st 7th won over 9th Dorm for the freshman title and will meet 3rd "A" for the Dormitory Championship. The game will take place in Riddick Stadium on December 3.

In the Fraternity Division, the Delta Sigs, defending champions, square off against SPE this afternoon in a game of the round-robin series, which will decide the Fraternity title.

This week's intramural battles featured the cream of the campus football teams. There were several upsets and some fancy football was exhibited on all sides.

One of the biggest upsets was the defeat of the much heralded 2nd "C" team by 3rd "A." This game featured two hard charging lines and "scatty" backfields. The game ended 6-6, but 3rd "A" rolled up five first downs to the 2nd "C" three.

Ben Lubin made an 80-yard run for a score after intercepting a 2nd "C" pass. For the loser, Joe LeVasseur scored on a toss from Hal

Sweet. Jim Martin and Bill Brohm did some hard charging in the line for "C" and Frank Santapola was the stalwart for "A."

**1st 7th Triumphs**  
 Sammy Kaufman's 1st 7th team won the frosh championship by beating a 9th Dorm squad led by Ben Constant. The score was 6-2. 9th outplayed 7th throughout the game but they were unable to push across the necessary tally.

Stroud Hogan continued his bid for all-campus honors with some good all around playing for 1st 7th, and Diel did some fancy running for 9th.

In the only game played in the Fraternity Championship round-robin, SPE whipped PIKA 20-12. The PIKA's drew first blood and then went into a 12-0 lead, but they faded badly after the previous week-end caught up with them. Joe Peele couldn't miss John Boger's rifle tosses—the feature of the game. Sam Welch and Buddy McMillan kept the PIKA's fighting.

Standings in leisure sports are printed this week. In our next issue we will publish total points earned in the four fall sports: football, wrestling, horseshoes, and leisure sports.

All members of the Wolfpack squad are requested to be in Riddick Stadium Sunday at 2 o'clock in full game uniform to get pictures made for the Agromec.

DUD KALEY, Editor.



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# Sports Comments

By ROBERT POMERANZ

For the first time in five years the Wolfpack opens at home next season, tackling Richmond on the first Saturday in September. Richmond takes Mississippi State's place while Virginia Tech replaces The Citadel.

Only three games of the tentative schedule released are arranged for Riddick Stadium, though at least another home game will be added. So far only nine games are listed and if only four of them are played here we don't have too much of a squawk after having five out of nine here this year.

But, if the open date just before the Carolina game is filled, giving the Pack a 10-game season, the schedule makers must make certain that we get an even split on local encounters.

The Clemson-State tussle comes under a four-year contract which places it in Charlotte each year. But, why can't it be brought over to Riddick Stadium? The Davidson game was moved here from Greensboro and possibly a similar arrangement could be made with the Tigers. LET'S TALK IT UP AND TRY TO GET CLEMSON HERE IN 1941.



### Sports Thrills

Add to your list of thrills that make life worth while the one about Don Marriot and that dream play he pulled against the Wake Forest frosh last Friday.

Don made a circus catch of the Wake fumble that went high into the air and then dodged 60 yards down the sidelines to a touchdown. You get the full flavor of the incident when you realize that Don's folks came all the way from Herkimer, N. Y., just to see their boy in action. I'll bet momma was proud.

### Intramural Stuff

Biggest upset of intramural football came when 3rd "A" knocked over 2nd "C" to win the upperclass competition. "C" had been priming itself all season to take the Dorm Championship, and was made up mainly of the boys who won last year as 1st 8th.

Johnny Miller, who officiated this battle, called it the hardest fought game of the year. The lines met with back-breaking force and many are the bruises that must have been nursed that night.

It wasn't much of a surprise to see SPE lick PIKA. PIKA had pretty much of a hold on intramural football until last year, when SPE won out. SPE will have a tough time riding over Delta Sigs, though. As for the PIKA's, they must be going in for the more intellectual things this year.

### Football Superlatives

Frank Gilbreth, Associated Press writer, made some personal nominations for the season's superlatives, and State figured in almost every item.

Dick Watts was rated as the most improved back of the year. Gilbreth said Dick was "all thumbs last season, but became the No. 1 magician of the Wolfpack's tricky attack."

Bob Cathey rated as the unsung hero of the season; Pat Fehley as the "hard luck kid." Doc Newton measured up as the Coach of the Year. Here Gilbreth said of Doc and his staff: "They took a bunch of B-squad alumni and sophomores who had looked pretty puny as yearlings, and made a football team which scored in every game."

And "the most enjoyable team to watch—Roll out the Wolfpack; it's a barrel of fun."

### Personal Nominations

In making his choices Gilbreth had many teams to pick from. But, he overlooked some things that might have been said about other boys on the Wolfpack.

Bolo Stilwell rates a bow on any gridiron for the fine job of ending he did. Effective on offense and defense all season, Bolo reached his peak in the Wake game. Those one-arm lunges he pulled down Deacon ball carriers with will stay with us for quite a while.

Cutie Carter furnished plenty of thrills with his speedy smears—how that boy manages to nab those opposing backs is beyond us. Pete Boltrek looks like he's really going some place, and it might be a swell idea for Wade Leon to start working on an All-American campaign for Pete.

# Wolfpack Piles Up 120 Points For Year

## Billy (Louder) Ward Builds Pep At State

Only Boss Cheerleader in Business Who Doesn't Attend School; Cheering Squad Responsible for School Spirit

There are a lot of unusual things about the football situation at State College, not the least of which is his gifted cheerleader, William J. (Billy) Ward, who has the distinction of being perhaps the only head cheerleader in the business who isn't a student at his alma mater.

Bill would like to be a student. Fact is, he was until his quality points and credit hours missed by a shade of balancing and the faculty council thought he needed a rest from school work before starting out anew on his degree in animal husbandry.

The Belhaven, N. C., boy wasn't going to let his shortcoming in school work interfere with his doing his best toward building the student spirit here. So he came back to Raleigh from his home, rounded up his cheerleaders and with a strict routine in regular practice periods, put the precision and coordination into cheering that only recently won for State the pep battle of the air staged over Radio Station WRAL between the Wolfpack cheering section and that of Wake Forest.

It is generally believed that the student pep and spirit at State is on a new high. All around the papers are saying so, and the thousands who listened in on the Wake County pep championship voted accordingly.

Our Wolfpack hasn't had one of its best seasons this year but the students have been right in there behind the team, win or lose, and Bill and his gang should be gathering a few pats on the back for their fine work.

This week many of the state newspapers carried stories that dealt with the summary of the football season. Student spirit at State drew all the big honors, and Ward and his cheerleaders are responsible for most of the student spirit.

**BOLO Stilwell has been stepping into a regular line position in his first year, Bolo made good.**



**RAH RAH** State's cheering peak when Billy Ward stretches like this. The infirmity reports increased use of hoarse-throat medicine this season.



### No Boxing

There will be no boxing teams at State this winter, but there will be freshman and varsity basketball, swimming and wrestling teams. Boxing was abolished as an intercollegiate sport at the June meeting of the Athletic Council.

### Wolfpack Club Plans First Annual Banquet

Dutch Seifert, President, Invites 700 Members After Club Meeting

The first annual banquet of the Wolfpack Club, guardian of North Carolina State College's athletes, will be spread here the night of January 17, 1941, it was announced Wednesday by President D. W. (Dutch) Seifert of Weldon, N. C., following a meeting of the club's executive and scholarship committees.

Some 700 members are to be invited. One of the principal items of business to be conducted will be the election of new officers. Another will be the election of the 1941 captain of the Wolfpack football team.

## 'Every-Game Scoring' By 'Country Boys' Smashes All Records

Call Them Moral Victories If You Like, But They Please the Public

By EDWIN PERRY  
Business men measure success in dollars; the actor measures success in popularity; the army measures success in victory; and as a usual thing football teams measure success in the number of games won and lost—all except State's Wolfpack.

Doc Newton and the Pack have had a successful season, don't let anyone fool you on that point, but success for the Techs has been measured by quite a different standard. As far as the won and lost column is concerned the Wolfpack doesn't stack up so well for they have won three and lost six games this year.

Call them moral victories if you like, but in the estimation of one John Q. Public, State's football team has been the team of the year.

Mr. Public loves to get his money's worth when he pays \$2.50 to see a football game. Doc Newton and his boys weren't given an outside chance when the season started for the Wolfpack mentor had only a handful of fair football material left over from last year plus a bunch of inexperienced B team men with which to build his 1940 team. From these so-called "Country Boys" the drawing professor of the gridiron built a team that could give John Q. his \$2.50 worth of football in every game.

**Roll Out the Wolfpack**  
Mr. Frank B. Gilbreth, Associated Press writer, best expressed the success of the Wolfpack in one short line. In picking the team that was the most fun to watch, Mr. Gilbreth said: "Roll out the Wolfpack; it's a barrel of fun."

In addition to giving the spectators their money's worth, Doc Newton's boys gave the Alma Mater its best offensive record in 12 long years, as well as being the first team in the history of the college to score in every game on its schedule.

**DINK** Caton raced from his home in Concord in time for the Duke game. He had been called to the bedside of his father.



## Most Valuable Award Goes To Pat Fehley

**FIGHTIN'** Pat Fehley deserves choice by Wolfpack as most valuable member of team. Pat's spirit kept the gang going through many tough spots.



Irishman Gave 'Pack Spark Needed To Carry It Thru Tough Season

The members of the Wolfpack squad met Tuesday afternoon and elected Co-Captain Pat Fehley as their most valuable man during the 1940 season.

All through the year the Fighting Irishman has been an inspirational leader to the team. He has given the Wolfpack that was destined to have a bad year, that added spark that has made them the most colorful team in the Big Five.

In glancing back over the games that the Wolfpack has played this year, facts will show that Pat has been right in there mixing it up with all of them during the entire season. During the Carolina game he teamed with Dick Watts in pulling the play of the year that brought the 15,000 fans at the game to their feet. He has been kicking extra points consistently and he wound up the season by being second high scorer for the Wolfpack.

A recent article that appeared in one of the local newspapers classified our Pat as the hard luck player of the Southern Conference. He was handicapped during the last part of the season with a recurrence of an old shoulder injury that kept him on the bench during several of the big games.

We of the sports staff want to add our vote to those of the boys on the squad. We wish that every man on the team this year could receive an equal honor for the way they have played, but since that is impossible we want to commend the boys for making the selection they have made. J. B. Clark has said that Pat Fehley gets all the Irish Ayes—we might add that he gets all of the State College yeas, also—for his fine record as a leader both on the gridiron and on the campus.

game and Co-Captain Pat Fehley placekicked the extra point. Fehley placekicked a field goal from the four-yard line for three points. Jack Hucklebee, on a reverse, scored State's other touchdown in that game after Owens had intercepted a William and Mary pass.

**Rolls Up Score Over Davidson**  
Scoring more points than any Doc Newton-coached State team, the Wolfpack rolled over Davidson before 12,000 persons in Riddick Stadium, September 25.

After catching a first-quarter Davidson drive on the State two-yard line, the Techs began to roll. Cathey intercepted a pass on State's 38 and from there Watts ran off right tackle 62 yards untouched for a touchdown. Fehley kicked the extra point.

The Wolfpack had little trouble in running up its other 27 points in that game. The final score again, State 34; Davidson 0.

**Clemson Whips Country Boys**  
Doc Newton's boys were overpowered in a final period spurge of scoring under a withering Indian Summer sun and went down State's first touchdown in that

(Continued on Page 6)

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### Sigma Pi's Entertain Underprivileged Boys

Social Fraternity Host At Thanksgiving Dinner and Theatre Party for Raleigh Youngsters

The State College chapter of Sigma Pi, national social fraternity, is stepping forward in a display of generosity this week by giving a Thanksgiving party for a group of underprivileged youngsters.

The party is being given for boys between 9 and 14 years of age who were selected by the YMCA, General Meets of the U. S. Army will be present for the festive activities which include a mammoth feast. The menu consists of turkey, pie-a-la-mode, and many other tempting dishes.

After the feast, games will be played in which all present will engage. Most of the activities will take place at the Sigma Pi house which is located on Clark Avenue. The house will be elaborately decorated for the occasion. This will be the first time the youngsters will have been guests of a fraternity and it should prove to be a thrilling experience for the lads.

Peter Pop, who is chairman of the committee for entertainment, has arranged for a big theater party later in the evening. The guests will be treated to a free show at the Ambassador Theater at 11:00 p. m.

The Sigma Pi's, aided by Dean Romeo Lefort, are planning a move to develop a more extensive program for the underprivileged next year. An effort will be made to organize all the social fraternities on the campus to provide food and enjoyment for a very large group of boys.

### Social Fraternity Host to Convention

Alpha Lambda Tau Entertains Representatives As National Convention Gets Under Way

The three-day national convention of Alpha Lambda Tau, college social fraternity, will begin in Raleigh tomorrow with the Zeta chapter of State College and its alumni members serving as hosts.

At least two delegates from each of the 21 chapters in the fraternity are expected to attend. James E. Brewer, president of the State College chapter, announced yesterday. Representatives will come from schools in the Carolinas, Maryland, Georgia, Tennessee, Kentucky, Louisiana, Alabama, Arkansas, Illinois, Missouri and Indiana.

Hotel Carolina will be convention headquarters. Delegates will register tomorrow afternoon and the first business session will convene Friday morning at 10 o'clock. A formal dance Saturday night will conclude the convention.

The meeting in Raleigh will mark the first time in the nearly 20 years of its national convention history that Alpha Lambda Tau has met in an eastern seaboard state. The State College chapter will observe its 15th anniversary in connection with the convention. National headquarters of the fraternity is in Atlanta, Ga.

In addition to President Brewer, officers of the State College chapter are: W. C. Richardson of Sparks, vice president; Burwell B. Jackson of Richlands, treasurer; Robert E. Overley of Elizabeth City, secretary; and T. F. Armstrong of Columbia, chaplain.

### LEADING the annual ALT convention dance tomorrow night in the Carolina Hotel ballroom, the five young ladies pictured below will sponsor for the officers of the State College chapter of the fraternity. The dance is to be held in honor of the visiting delegates from the fraternities' 21 chapters throughout the country as they assemble in Raleigh this week-end for their annual national convention.



### Jim Graham Appoints Class Ring Committee

Several Committees Appointed; Junior Class to Try Something New by Sponsoring Campus Project

President Jim Graham outlined the year's program and appointed the necessary committees, at the regular meeting of the Junior Class, Tuesday, November 26.

Dean Cloyd gave and explained the rules of the college concerning the class ring. Following this, Bill Friday, senior class president, explained the procedure of the appropriation bill for State College, and how the members of the class could aid in securing the amount asked for by State College. Bill suggested that every student have his parent or guardian contact his representative to the State Legislature, and explain the needs of State College. Forrest Paschal then told the class of the seniors' plan to leave \$600.00 in form of a student loan fund, ultimately to be used for purchasing chimes for the Memorial Tower. He asked if the junior class would consent to the ring committee and J. E. add to this fund next year, and thus form the custom of adding to the fund every year until the

### BANDSMEN, NOTICE

All Redcoat uniforms should be dry-cleaned immediately and stored away carefully as a precaution against damage by moths. All music issued to individual bandmen will be checked in at drill Monday noon. All bandmen who are not certain that they will return to school after the holidays must check in their Redcoat uniforms (after having them dry cleaned), by Wednesday, and check in school instruments at the close of rehearsal Wednesday noon. There will be no band practice next Thursday night.

### SENIORS

There will be a very important meeting of the Senior Class in Pullen Hall Tuesday at 12 o'clock. It is very important that every senior be there to vote on the budget. BILL FRIDAY, President.

### GLEE CLUB

The final rehearsal of the Glee Club will be held Monday at 6:30. A concert will be presented early in January, and a trip is being planned for middle of February.

necessary amount is obtained. The class voted to add to this fund a portion of the amount budgeted to their class gift.

The junior class decided to sponsor some type of campus project. A committee consisting of Hugh Cameron, Carl Sickerott, Bill Lamb, and Dudley Robbins, was placed in charge of formulating and working out some possible plans.

President Jim Graham appointed R. D. Adams and R. J. Overcash on the ring committee and J. E. MacDougall, Jack Rose, Jimmy Hobbs, and Scott Ferebee on the dance committee.

### Exam Schedule

Classes	Friday at 9
Monday, 10 o'clock	Friday at 2
Tuesday, 11 o'clock	Saturday at 9
Monday, 11 o'clock	Saturday at 2
Monday, 2 o'clock	Monday at 9
Tuesday, 9 o'clock	Tuesday at 9
Monday, 3 o'clock	Tuesday at 2
Monday, 9 o'clock	Wednesday at 9
All 12 o'clock classes	Wednesday at 2
Tuesday, 10 o'clock	Thursday at 9
Monday, 8 o'clock	Thursday at 2
Tuesday, 8 o'clock	Thursday at 2
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### WOLFPACK

(Continued from Page 5)

For their first defeat of the season 26-7 at the hands of Clemson before 14,500 spectators in Charlotte's Memorial Stadium.

The campus improvement project is a blanket program to be completed by January 1, 1941. The building of a new laundry for the college is now under way.

Clemson looked every bit the champion that defeated Boston College in the Cotton Bowl last season in defeating the Wolfpack.

States Scare Tar Heels

Folks are still talking about the State-Carolina game and probably will be still talking about it this time next year. That was the game that the tricky offense of the Wolfpack really worked and gave 13,500 fans their money's worth.

State scored early in the first period but Carolina came back and knotted the score 7-7. All-American Paul Severin scored on an end around for Carolina's other score and Harry Dunkle's try for the point was wide.

Then came the play of the season. Backed up to their one-yard line midway the fourth quarter by Dunkle's punting and a five-yard penalty, State pulled a spectacular play. Watts dropped back in punt formation. The ball was snapped to Fehey in the bucking position who dropped back and passed to Watts in the flats. Watts streaked down the sidelines with Fehey at his heels. Just as he was being tackled on State's 30 Watts lateraled to Fehey and everyone was sure he was away.

Jim Lalanne took up the chase and overtook Fehey on Carolina's 16.

Miss State Fools Everyone

Ten thousand amazed spectators saw Mississippi State's Maroons pull more tricks out of the bag than Mandrake, the magician, and overpowered State's Country Gentlemen 26-10 under the lights of Riddick Stadium.

Co-Captain Fehey booted a 25-yard placekick for State's first score and Cathey caught a pass from Watts for the lone State touchdown.

Furman Pulls Amazing Upset

Furman probably pulled the only upset victory over State this season by defeating the Wolfpack 20-6.

The Hurricanes made the greater part of its 20 points on mistakes of the Wolfpack in the final minutes of play when Doc Newton's boys were trying desperately to score.

That Wake Forest Game—oh!

Tony Gallovich made an impossible catch of a pass on State's goal line in the last minute of the game as Wake Forest defeated State 20-14. The try for the extra point was good.

State led 14-13 until Gallovich's spectacular catch, having passed in the first part of this story.

### Improvement Project To Be Finished Soon

Blanket Program for Improving Campus to Be Completed by January

An extensive program for general improvement of the campus, as well as other projects designed to fulfill the absolute needs of the college, is well under way.

The campus improvement project is a blanket program to be completed by January 1, 1941. The building of a new laundry for the college is now under construction. The laundry building is being constructed by WPA labor and is supposed to be completed within six months after the work was started, barring bad weather which has recently necessitated a suspension of activity.

The blanket project for campus improvement includes the completion of two new drives in front of Patterson Hall as well as the paving of the sidewalks along the drives. Shrubbery will later be planted to beautify the new entrances from Hillsboro Street. New streets are under construction in front of the Physics Building and the banks in front of the building are being re-sodded. A stone terrace is being laid around the tower and steps are being built as an approach to the tower from Hillsboro Street.

CHEMISTS CONTINUE (Continued from Page 1)

ducted along three principal lines in the Department of Horticulture: crop nutrition, the improvement of quality in fruits and vegetables, and development of the manufacturing of horticultural products.

Involved in the research are Ivan D. Jones, Carlos F. Williams and Otto Veerhoff, of the department staff, and J. L. Ethells and T. H. Bell of the Bureau of Agricultural Chemistry and Engineering.

Development of new and superior fruit and vegetable products is receiving a great deal of study. The horticulture department, with the cooperation of the U. S. Department of Agriculture, is conducting a detailed study of chemical changes which occur during the processing of cucumbers in the commercial manufacture of pickles. Results are expected to be of practical value to the entire nation, especially the South.

The Deacons dizzy.

State's Wolfpack had only one breather on the schedule. That was the Citadel, but the Light Brigade proved to be tougher than expected and the Wolves had to work hard to gain a 20-14 decision.

If you're wondering about the Duke game, well, enough was said in the first part of this story.

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Saturday

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with  
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Sunday-Monday-Tuesday

Alles Faye-Betty Grable  
Jack Oakie-John Payne

"TIN PAN ALLEY"  
Plus "Crime Doesn't Pay"  
Act and News

Beginning Wednesday

NORMA SHEARER  
ROBERT TAYLOR  
in  
"ESCAPE"

## STATE

Last Time Today

JOE E. BROWN in  
"SO YOU WON'T TALK"  
Plus Cartoon-Act-News

Saturday and Sunday

Penny Singleton-Arthur Lake  
Larry Simms in  
"Blondie Plays Cupid"

Monday Only

ON THE STAGE  
WORLD OF PLEASURE  
Girls - Music - Comedy

Screen

"SANDY GETS HER MAN"

Beginning Tuesday

CAROLE LOMBARD  
CHAS. LIGHTON  
in  
"They Knew What They Wanted"

## CAPITOL

Friday-Saturday

JOHNNEY BRACE BROWN in  
"LAW AND ORDER"  
Plus Serial and Comedy

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"BROTHER ORCHID"

Monday and Tuesday

ERROL FLYNN in  
"THE SEA HAWK"

Wednesday-Thursday

"DANGER ON WHEELS"

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# Chesterfield

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