

# THE TECHNICIAN

of NORTH CAROLINA STATE COLLEGE

Vol. XXVI, No. 7

STATE COLLEGE STATION, RALEIGH, N. C., NOVEMBER 2, 1945

Offices: 10 and 11 Tompkins Hall

## Sponsors For Monogram Club Dance



Pictured above are the sponsors of the Monogram Club Dance to be held Saturday night in Frank Thompson Gym. They are: Miss Carol Martin of Raleigh with Tony Gasta of State Island, N. Y., vice president of the Monogram Club; Mrs. John D. Evans of Raleigh with John D. Evans of Raleigh, treasurer; Miss Billie Cherry of Hobgood with James A. Wilson of Scotland Neck, chairman of the dance committee; Miss Athene Baldwin of Durham with Julian Rattledale of Durham, dance committeeman; Miss Audrey Tudor of Raleigh with L. M. Edwards of Big Stone Gap, Va., secretary; Miss Jean White of Raleigh with Barrett Wilson of Raleigh, dance committeeman; Miss Mary Elizabeth Campbell of Raleigh with M. B. Johnson of Bahama, president; and Miss Eloise Monton of Carolina Beach with Paul Gibson of Winston-Salem, dance committeeman.

# Monogram Club To Hold Dance Tomorrow Night

## Officer Candidates For YMCA Announced

The YMCA nominating committee composed of Bill Gatlin, chairman, Gilbert Gray, Melver Williamson, Earl "Pop" Bowen, and E. S. King submitted their report to the "Y" caucus last Thursday evening. The officers elected now are to serve until elections during the spring term. The committee nominated: For president: Edgar A. Orr, from Rocky Mount, N. C., and L. A. Mann, Jr. from Newport, N. C. The one receiving the most votes becomes president, and the runner up becomes vice president. For secretary: T. R. Garrison from Charlotte, N. C., and D. T. House from Beaufort, N. C., while for treasurer, Melver Williamson from Mont Clare, S. C., and W. C. Thomas from Weldon, N. C., were nominated. Earl "Pop" Bowen, present president was nominated for treasurer from the floor. Bowen, in reading the list, mentioned that Orr had graduated from YMCA President's School in New York this summer.

Mr. King stressed the fact that the committee had selected "a fine bunch of boys," and expressed a desire to see widespread interest in the elections.

Came Tuesday, November 6, the polls will be open in the YMCA from 9:00 a.m. until 5:00 p.m. All students are eligible, there being no poll tax, and are urged to vote. In voting for officers, students are reminded of the four qualifications of a "Y" officer stressed by Major J. R. R. Cooper in a recent talk to the cabinet. First: Conservation of Christian ideals, and the purpose of the YMCA. Second: Ability to do both school work, and the work of the "Y" too. Third: a good personality, in order to get others to cooperate and work in the promotion of "Y" aims, and Fourth: A willingness to give most of his spare time to the YMCA work.

## Attention Veterans!

Veterans who entered school this fall for the first time since their discharges are entitled to some college credits for time spent in service. However, these credits are awarded only after the veteran makes application for them in the Registration Office. About half of the new veterans have not yet made application for this credit and the Registration Office is anxious for them to do so once. Veterans should take a copy of their discharge papers with them to room 205, Holladay Hall, and see Miss Juanita Stott immediately.

## Returns



DR. LODWICK HARTLEY

Lt. Comdr. Lodwick Hartley, USNR, has been released from the Navy and returned to State College to resume his position as professor of English and head of the Department of English yesterday.

Commander Hartley received a commission in the Navy in April, 1942. After a period of indoctrination at the Headquarters of the Sixth Naval District in Charleston, S.C., he returned to Raleigh as officer in charge of Naval Officer Procurement and, for several months, as officer in charge of the Navy's Diesel Engineering School at State College.

An officer in charge of the Navy's officer program, he directed the officer selection work for North Carolina and had charge of selection for the Navy's college training programs.

In November of 1944 Commander Hartley was ordered to the Naval Training Center at Gulfport, Miss., where he became Personnel Officer for the Navy's large collection of service schools at that base. He remained in Gulfport until his release from the Navy.

Commander Hartley is a graduate of Columbia and Princeton universities, having obtained his doctorate at the latter institution. He is the author of two biographies and numerous magazine articles.

# Hayes Signed To Play Homecoming Dance

## Keister To Speak On Inflation At Public Lecture Next Week

Friday, November 9, 1945, 8:00 p.m., in Pullen Hall, Dr. Albert S. Keister will deliver a lecture on "The Disaster of Inflation; How It Can Be Prevented."

Dr. Keister, head of the Department of Economics in the Woman's College, is an outstanding economist and a widely known lecturer. Before coming to North Carolina he was connected with the economics departments in a number of well known institutions including Cornell College and the University of Chicago. In addition to having been the editor of the *Southern Economic Journal* for the past nine years, he has contributed numerous articles to various journals and periodicals in his chosen field and has also published a book on "Our Financial System." In connection with his long career as an educator, he has served the public in various capacities including that of Economist of the North Carolina State Tax Commission (1928-1931), Consultant for the National War Housing Planning Board (1941-1942), and Public Finance Member and Arbitrator of the National War Labor Board.

As a result of his previous appearance on the Public Lectures program of this institution, he won the distinction of having had his lecture acclaimed as the most interesting of the series for that year. He is one of the few whom we have invited to the campus for a return engagement.

This lecture is free and a cordial invitation is extended to the public to hear a man who speaks with authority on a subject of very vital interest.

## Convention Held By Baptist Students

The Baptist Student Convention at Salisbury was a big success last week end. There was an attendance of 347 Baptist students from the different colleges in the state. Only seven attended from State College. Come on, Baptist boys and girls, let's take part in the activities. After all, your religion is a part of your college life as much as getting an education.

The fellows from State College that attended the convention were: Grover Burchette, Tommy Garrison, Paul Hamrick, John Martin, Philip Strode, Bill Thomas, and Alton Wilson.

The theme for the convention was "Christ, My Imperative." The principal speakers were: Rev. Dick Howerton, State Student Secretary; Rev. Harry V. Gamble, pastor, First Baptist Church, Statesville; Rev. Richard Archie Ellis, Salisbury; Dr. Charles E. Madley, Field Secretary, Foreign Mission Board, Raleigh; and Rev. Warren Tyree Carr, pastor, First Baptist Church, Princeton, W. Va.

Look in this corner next week for more news about the B.S.U. on the State College campus.

## A. I. E. E. Initiates Ten New Members

At the last meeting of the A. I. E. E., initiation was held for new members. The following students became members: J. S. Hunt, C. V. Stovall, W. W. Collins, H. K. Groat (1941-1942), and Public Finance Member and Arbitrator of the National War Labor Board.

As a result of his previous appearance on the Public Lectures program of this institution, he won the distinction of having had his lecture acclaimed as the most interesting of the series for that year. He is one of the few whom we have invited to the campus for a return engagement.

The members are all looking forward to having Dr. Brennecke and know that his speech will be most interesting.

The Monogram Club of North Carolina State College will hold its annual dance at the Frank Thompson Gymnasium on Saturday night, November 3, from 8:30 till 12 p.m. The letterman organization has been all but inactive during the past three years due to the war. It is a club for all athletes who have won letters in various fields of sports at N. C. State. The club now has 20 members, and it is expected to increase at the end of this season. Several veterans, including John Johnson, the president, and Bill Evans, are members of the club.

This is the second dance held on the campus this season that the student body has been invited to attend. Tickets can be obtained from any member of the club.

Woody Hayes and his orchestra will supply the music for the evening. The orchestra is composed of 13 talented musicians, including Tom Horn from Henderson who formerly played with Harry James. They play regularly at the Raleigh Country Club, and annually for the Southern Lumbermen's Convention held at Pinehurst. Miss Mary Lee, talented young singer, will carry the vocals. They are rated by many as one of the best orchestras in this section of the state.

This event has been held annually on the night after the last game of the grid season. Officers of the club are: John Johnson, president; Tony Gaeta, vice president; Lam Edwards, secretary; and Bill Evans, treasurer. Professor Grimshaw is the faculty advisor of the club.

## Honored



DR. JAS. H. HILTON

James H. Hilton, head of the Department of Animal Industry at State College and one of the top ranking men in his field in the nation, was awarded an honorary degree of Doctor of Science by Purdue University at Lafayette, Ind., on Sunday, October 28. He is a native of Catawba County and did undergraduate work at N. C. State College and Iowa State College. He is author or co-author of 30 scientific articles and experiment station bulletins. He came to State College from Purdue in January, and while at the latter institution he assisted in working out undergraduate and graduate livestock programs in teaching and research. Prof. Hilton is best known in scientific circles for his work on the nutritive value of soybeans and the vitamin needs of dairy cattle.

## Veterans To Sponsor Membership Drive For Little Theatre

Membership to the winter season of the Raleigh Little Theatre is now being offered to the students of State at a special rate, through the courtesy of the Veterans Association.

This affords several outstanding opportunities to the students interested in acting and play production, to actually take a part in the production of the winter season's plays. The board of directors hope and urge that all student members will take an active part in the productions, for help is urgently needed backstage in such departments as costume, scenery, make-up, lighting, directing, prompting, etc.

# United War Fund At State Sponsored By Veterans

## New Forester



JOHN L. GRAY

John L. Gray of Falls Church, Va., former lieutenant with the communications division of the Army, will assist R. W. Graber of State College in Extension forestry, working with district foresters and county agents in North Carolina in giving service to farmers and timber operators. Before entering the Army, Gray had considerable experience with commercial lumber companies in marketing, cruising, and mapping timber for selective cutting and thinning. At the time of his discharge from the armed services, he was stationed at Wilmington as officer in charge of the North Carolina fighter radio control network for this area.

## Annual Rollole Held By Forestry Club

Last Saturday the foresters of N. C. State held their annual Rollole at Hill Forest. Thirty students participated in the events which consisted of rifle competition, horse-shoe pitching, knife and ax throwing, tobacco spitting, for distance and accuracy, tree felling, and saw bucking. The final results showed that the seniors were the champions of the 1945 Rollole.

The highlight of the day was the "smoke chasing" or fire detecting event. Bill White and Dave Franklin carried away the honors in this contest, though in doing so they received a wetting as a result of falling into Flat River with their hats and shoes on.

Hot dogs and coffee were served for supper, after which twelve new candidates were initiated into the Forestry Club in the traditional manner.

## Community Chest And National War Fund Combined Into One

The United War Fund, undoubtedly the greatest campaign of its kind ever before undertaken, is being backed and solicited by the Veterans Association here on the campus. These "G. I. Joes," most of whom have been through, have seen the ravaged grid of human destruction, can tell of many of the needs being incurred today by our down-trodden allies. If these boys, even after going through the mill themselves, can return and back a drive they believe will alleviate some of the world-wide horrors they have seen, surely, we will do our utmost to further that drive.

More than being a drive to aid our occupational troops and overseas allies, The United War Fund, consisting of both The National War Fund and the Community Chest, is the combined efforts of thirty of our most beneficial agencies. Ranging from the world-wide relief to be given our staggering allies to the community aids for our own YMCA, the aims of these agencies is to give help both at home and abroad.

So let us show to the United War Fund and to our Veterans Association the American spirit that can not only win wars but can insure to all mankind the benefits of peace. Let us invest wholeheartedly in at least one more of the democratic causes for which we, as a part of our great country, have so valiantly fought. For in so doing, we, as the future Mr. and Mrs. America, will be saying to the world that our way of life—the way of brotherhood and humane consideration—is a foundation on which can be created the future peace of all countries.

## Notice

The concert orchestra will resume regular Tuesday night rehearsals next week at 8:00 p.m. in Pullen Hall. Qualified musicians who have not yet identified themselves with the orchestra are carried to report Tuesday night. More string instrumentalists in particular are needed to balance the instrumentation.

Glee Club practice Monday and Tuesday at 8:00 p.m. in Pullen Hall.

Band Practice Thursday at 6:45 p.m.

C. D. Kutschinski

**Found**  
Raincoat. Owner may have same by proper identification.  
C. D. Kutschinski  
10 Holladay Hall  
(Call Ext. 251)

## Grover Speaks To Alumni Association

At a meeting of the Wake County Alumni Association held Friday night at the S. & W. Cafeteria Professor Elliott B. Grover of the Textile School gave a complete report of his recent trip to Europe as a special investigator for the TICC. His job was to root out the technical ideas and practices of German industry and science for our own use. They work under War and Navy Intelligence in cooperation with the State Department. Investigators are selected for their ability in their chosen field and are on loan for three or four months. They represent a very broad pattern of American industry, colleges, and public agencies. Their experience on their mission is one not to be forgotten and few express the desire for a repeat performance.

The TICC is a group of former civilian habits to military habits and then back again. He must dress, act, and live as an officer but he must abide under U. S. Military rule.

The investigator is first sent to Washington and then sent to London aboard an ATC plane and further processed. There he is briefed on his mission, army method, travel procedure, living conditions, and then down to headquarters in Germany.

Once in Germany it is up to the investigator to get a complete story on his particular target. Targets are those industries, laboratories, colleges or other centers of information that were known before or during the war. Army, Navy, and Air Intelligence reports continually pour through forward offices to add to the knowledge of targets.

Other sources of information are: the plant, mechanical processes, machinery, technical personnel and plant records. These all offer a wealth of information to the trained observer.

In general, results so far are negative, that is, the U. S. led Germany in manufacturing techniques and in research. German industry lagged far behind her research. In the textile field there

## C. E.'s Hold Initiation For Four New Men

The American Society of Civil Engineers met Tuesday night for their regular meeting. The main part of the program was the initiation of the new members. The new members were: William Avery Sarrill, Clyde Smithson, William C. Klutz and J. B. Scott. A feature of the program was the showing of slides on the Queens Midtown Tunnel in New York. One of the members explained the pictures as they were shown. The business was discussed at the end of the meeting.

The A. S. C. E. is an organization for the benefit of the Civil Engineering students. The Society would like to have all of the 100 students enrolled in the department as members. Anyone who wants to join may come to the next meeting which will be held on Tuesday, November 12. Plans are being made to have some of the professors at this meeting to talk about the Civil Engineering Department.

# Textile Developments Discussed By Peirce

By DR. FREDERICK T. PEIRCE

In the tombs of the Pharaohs, the fibers of flax were found of plain weave with two warp threads running as one. Waterholding canvas is hardly as old, but close flax canvas of this construction has long been used for tentage, water tanks, and bottles, fire-fighting hose, etc. As a veteran of the Australian Light Horse and of bush camping, I had long been familiar with such materials and their characteristics, particularly the interesting and useful feature of "making-up," the gradual cessation of water penetration as the material wets out.

They always had to be of flax: cotton made a poor substitute. Why? That was the question when the threat of war indicated demands exceeding the supply of flax. Studies of the fibres indicated that the swelling of flax which sealed the fabric interstices was little more than that of the cotton fibre. The answer seemed to be that the single yarns of the cotton subjected were hard-twisted. Being coarse, they could be spun from cheap, short, coarse cottons but such cottons demand a hard twist for warp yarn. The helical structure turned the swelling pressure into a constrictive tension on the fibres, which made the yarns assume a rounded form and opened up

the interstices, whereas the almost untwisted flax threads freely swelled into the free spaces to seal them.

By making cotton fabric similar in structure to the traditional and well-tried flax canvas, but with long, fine fibres softly twisted, cotton proved superior to flax, as the same self-sealing action was obtained but with much more regular yarns and therefore smaller interstices to seal.

For the sterner demands, other advantages of flax had to be realized with cotton: low extensibility to resist opening up under tension and high density to increase the swelling pressure. Wet doubling indeed to increase the flow by supporting the flow by supporting turbulence, on the principle of the Venturi effect.

(Continued on Page 4)



This column is awarding \$3.00 to the student who can correctly predict the winner and the final score of the State-Duke football game, which will be played in Duke Stadium next Saturday, November 10. In case of more than one winner, the money will be equally divided. No student can predict more than one score; any student turning in more than one score will be disqualified. Turn your prediction of the final outcome to the YMCA office before 12:00 noon next Saturday, November 10. This gives everybody a week to decide what they think the score will be. All students should plan to attend this game in Durham next week. Admission for boys enrolled at State will be 50 cents. Each student must present his athletic ticket at the East Gate of Duke Stadium for this reduced price seat, which will be on the State side, between the 30 and 50 yard line. Everybody be at that game next week—and BEAT DUKE!

The McIver brothers will bring their VPI squad here tomorrow afternoon for a game with State. The Wolfpack have been playing good ball for the past two weeks, and unless they blow up completely, the Wolves should win tomorrow's game.

Eddie Cameron's Duke team will have their hands full in Atlanta in their annual fracas with Georgia Tech. Bobby Dodd's Yellowjackets have improved since their game at Chapel Hill against Carolina, and the Wreck may win this game; but with the news that George Clark will probably be available for the tilt, the Ducks hold a slight advantage.

Carolina journeys to Knoxville for a game with Tennessee, and Wake Forest entertains Presbyterian, in the other games of the day. At Cleveland, the Fighting Irish of Notre Dame battles the Navy Middies in the top game of the day. After the dust is cleared away, the Middies should be on the long end of the score.

In last week's predictions, Ray Reeve once more missed the fewest number of games by choosing 9 incorrectly. Dillon missed 11, and Mr. Doak and Rudy Pate missed 12 each. Five games stumped all four of us—the Cincinnati-Kentucky, Tulane-SMU, Yale-Cornell, Purdue-Northwestern, and Texas-Rice games. Ray was the only one to pick Temple over Pitt. Mr. Doak was the only one to forecast Ohio State over Minnesota, and Dillon was the only one to foresee Washington over Southern Cal. Among the students trying their luck at predicting, Bill Cochrane of 131 Alexander took high honors, and will be awarded two guest tickets to the Varsity Theatre. Get your predictions into the Y desk before noon Saturday to be eligible for winning the theater tickets, and don't forget about the cash prize to the student who predicts the final score of the State-Duke game.

Here are this week's predictions:

Team	Doak	Reeve	Pate	Dillon
N. C. State-Va. Tech	NCS	NCS	NCS	NCS
Clemson-Miami	Clem	Miami	Clem	Miami
Alabama-Kentucky	Ala	Ala	Ala	Ala
Florida-Auburn	Aub	Fla	Aub	Aub
Southwestern-Baylor	Bay	Bay	Bay	Bay
Wash. State-California	WS	Cal	WS	Cal
Cornell-Columbia	Col	Col	Corn	Col
Dartmouth-Yale	Dart	Yale	Dart	Yale
Duke-Ga. Tech	Tech	Duke	Duke	Duke
Georgia-Chattanooga	Ga	Ga	Ga	Ga
Idaho-Oregon State	OS	OS	OS	OS
Great Lakes-Illinois	Ill	Ill	Ill	Ill
Kansas State-Iowa State	KS	IS	KS	IS
Wisconsin-Iowa	Wis	Wis	Wis	Wis
Kansas-Nebraska	Kan	Neb	Kan	Kan
Lafayette-Temple	Tem	Tem	Laf	Tem
Mississippi-LSU	LSU	LSU	LSU	LSU
William & Mary-Maryland	Md	W&M	W&M	W&M
Missouri-Michigan State	MS	Miss	MS	Miss
Minnesota-Michigan	Mich	Mich	Mich	Mich
Mississippi State-Tulane	Tul	MS	Tul	MS
Carolina-Tennessee	Tenn	Tenn	Tenn	Tenn
Northwestern-Ohio State	NW	OS	OS	OS
Navy-Notre Dame	ND	ND	Navy	Navy
TCU-Oklahoma	TCU	Okl	Okl	TCU
Syracuse-Penn State	PS	PS	PS	PS
Princeton-Penn	Penn	Penn	Penn	Penn
Pittsburgh-Furdue	Fur	Fur	Fur	Fur
Texas Tech-Rice	Rice	Rice	Tech	Rice
St. Mary's-Southern Cal.	USC	USC	USC	USC
Texas A&M-Arkansas	A&M	A&M	A&M	Ark
Texas-SMU	Tex	Tex	Tex	Tex
Villanova-Army	Army	Army	Army	Army
West Virginia-Virginia	Va	Va	Va	Va
Oregon-Washington	Wash	Wash	Ore	Wash
VMI-Vanderbilt	Vandy	VMI	VMI	VMI

Army Rated First For Ninth Time By AP

Army, Notre Dame and Navy retained the first three places among the country's top ten football teams as determined by the weekly Associated Press poll Tuesday but the remainder of the elite group underwent a thorough shake up.

Ten new clubs were admitted to membership, three others grabbed new places and only beaten Pennsylvania kept its position.

Army, playing what the Cadet coaches said was the team's best game of the season, defeated Duke 48 to 13 Saturday and did one of its best vote-getting jobs Tuesday by snaring 91 first places on the 106 ballots cast. Ten critics placed the team second and five rated it no better than third.

Votes for Irish Notre Dame's unbeaten string and its 55-0 conquest of Iowa induced six voters to place the Irish first and Navy was the choice of three. Alabama garnered four first place votes and St. Mary's of California received two.

The Cadets, who have been on top since last year ago this week when Notre Dame relinquished the throne, gathered 1,040 points.

Alabama, which battered Georgia by a 28 to 14 score Saturday, hopped from sixth to fourth and was followed, in order, by Indiana, Ohio State, Pennsylvania, St. Mary's of California, Oklahoma A. & M. and Michigan.

Ohio State, Oklahoma A. & M. and Michigan are the new members of the top ten although it is a return appearance for both of the Big Ten clubs. Defeats suffered last Saturday by Purdue, Minnesota and Texas sent that trio out of the major ranking.

Leading Ten The leading ten teams determined on a basis of 10 points for each first place vote, nine for second, eight for third, etc. (First place votes in parentheses):

Army (91)	1,040
Notre Dame (6)	899
Navy (3)	798
Alabama (4)	706
Indiana	457
Ohio State	317
Pennsylvania	254
St. Mary's (2)	233
Oklahoma A. & M.	189
Michigan	154
Second ten: 11—Holy Cross 130; 12—Columbia 118; 13—Purdue 86; 14—Oklahoma 75; 15—Mississippi State 60; 16—Minnesota 53; 17—Louisiana State 39; 18—Washington and Duke, 28 each; 20—Northwestern 24.	

Honorable mention: Virginia 22; Texas 20; Southern California 9; UCLA 9; Tulsa 8; Georgia Tech 7; Arkansas 2; Georgia 1; North Carolina 1; Wake Forest 1.

FOOTBALL BROADCASTS WPTF—Duke-Ga. Tech., Saturday afternoon at 2:45.

WRAL—State-VPI, Saturday afternoon at 2:15.

WPTF—Football Scores, Saturday night at 6:05.

WRAL—Football Scores, Saturday night at 6:45.

Intramural Program To Be Based On Points

The point system, which will determine the athletic champions in both fraternity and dormitory loops, should be of interest to all students. The trophies, which will be awarded to the fraternity and to the dormitory with the greatest number of points in all sports, should make every student strive to make his organization the best.

Each organization entering a team in football, basketball, and softball will receive 100 points. Each group entering a team in volleyball will be accredited with 50 points. The teams in these sports will receive five points for each game that it wins. Ten points will be awarded to each team winning a championship game. Twenty-five points will be lost for a forfeit in football, softball, and basketball; ten will be lost for a forfeit in volleyball.

Swimming, boxing, and track will be run off in one big all-campus affair, combining both the fraternities and the dormitories. Points accumulated by each organization will be totaled. Each man entering the swimming and track meets will be awarded two points, while every entrant in the boxing matches will be given five points. In swimming, boxing, and track the first, second, and third teams to finish an event will be accredited with 40, 20, and 10 points respectively. Each man forfeiting will lose 10 points.

First, second, and third place teams will get 100, 50, and 25 points respectively; while in volleyball, it will be 50, 25, and 10 points.

Team	Team Entrance Points	Individual Entrance Points	Points for Each Game or Match Won	Championship Points	Forfeit Points
Tag Football	100		Prelims, 5 Finals, 10	1st, 100 2nd, 50 3rd, 25	25
Volleyball	50		Prelims, 5 Finals, 10	1st, 50 2nd, 25 3rd, 10	10
Basketball	100		Prelims, 5 Finals, 10	1st, 100 2nd, 50 3rd, 25	25
Swimming	2		1st, 5 2nd, 3 3rd, 2 4th, 1	1st, 40 2nd, 20 3rd, 10	10
Boxing	5		Prelims, 5 Finals, 10	1st, 40 2nd, 20 3rd, 10	10
Softball	100		Prelims, 5 Finals, 10	1st, 100 2nd, 50 3rd, 25	25
Track	2		1st, 5 2nd, 3 3rd, 2 4th, 1	1st, 40 2nd, 20 3rd, 10	10

THE INTRAMURAL FRONT

Some interesting gridiron contests were played during the past week. There were no complete walk-away victories for any of the teams.

South Watauga got off to a good start with a 15-0 victory over Second Alexander. Swanson passed to Johnson for the first Watauga touchdown while Sharp intercepted a pass on the Alexander 30-yard strip and went the route for the other touchdown. Third Bagwell pushed over a marker in the third stanza to beat the lads from Lower Beeton, 13-6. McAllister and Harris led the attack for the Bagwell squad.

The SPE's eked out a 6-0 win over the Delta Sigs when Jones, with one minute to play in the game, hauled in a punt and returned it all the way to pay-dirt standing up. The Sigma Chi's showed up very well as they beat the ALT's very decisively by the score of 19-0 in only a half of a

game. Sewell proved to be the best man on the field for the winners.

In one of the closest games of the week, the Second Bagwell team tied the First Bagwell squad 12-12, but were able to win on the number of first downs that they had rolled up. The final score was five first downs to one in favor of the Second Floor.

Welch continued undefeated as it easily outclassed South Watauga 19-0. Smith ran the kickoff back 95-yards for the initial score. A 35-yard pass by Wilson, a long end run in the second and third quarters, respectively, accounted for the final scores. With Mercer predominant on a charging line, the losing team was unable to make any substantial gains either by ground or air.

Two hard fought contests were played last Monday as Gold topped First Alexander, 7-6. Gold took the lead with a touchdown and an extra point early in the second period. Alexander's tally came in the third period, but they were unable to push across the extra point. Lower Beeton and Upper Beeton battled to a 0-0 deadlock but the boys of the lower end of the dorm had pushed across more first downs and therefore won the game.

State Upsets Favored William & Mary, 20 - 6

Wolfpack Prepares To Meet V.P.I. Tomorrow

After checking over his squad for the slick injuries sustained in the game with William and Mary, Coach Beattie Feathers sent the State College Wolfpack through limbering up exercises last Monday afternoon.

The State team, which defeated William and Mary, 26-6, will meet VPI's Gobblers in the local event's final home game here in Riddick Stadium tomorrow afternoon. Homecoming also will be observed on that day.

On Monday Coach Feathers said that the State players are "in good spirits" and that his charges are in top-flight physical condition. "Our boys," the Wolfpack boss commented, "did very well in the game with William and Mary. They are getting back in their stride again."

Feathers and End Coach Star Wood scouted VPI in its engagement with Virginia's Cavaliers and reported that the Gobblers outplayed unbeaten Virginia in the early stages of the game and scored first but were finally subdued, 31-13, by the Charlottesville boys.

"VPI whipped Maryland in one of the season's big upsets, and the Virginians are capable of doing the same thing to us," Coach Feathers said. "Saturday's contest should be a good ball game."

Coach Macaulay McEver of Virginia Tech uses the T-formation as his main plan of attack, the same kind of offense that the Wolfpack employs.

The State coaches got an early start in priming for the Gobblers contest by presenting a scouting report Monday night and by outlining extensive preparations for the VPI game at the drill sessions. A heavy workout and a blackboard drill highlighted the schedule for the State footballers last Tuesday.

The Sigma Chi's beat the Sigma Nu's in two hard-fought sets by the scores of 21-15 and 21-13. In the other Tuesday night battle, the Sig Eps won out over the SAM's by holding down an aggressive rally in the second game, 25-23, after taking the first game, 21-16. Swartz was the best man on the court for the winners.

One of the week's three-game sets was played on last Wednesday night. Welch dormitory nosed out South Watauga, 21-6, 3-21, and 21-16. Hunt and McDuffie were the standouts for the victors. Upper Beeton defeated Second Bagwell in the night's other contest by the margins of 21-4 and 21-19.

The Delta Sigs were beaten by the Sigma Nu's in two straight contests, 21-8 and 21-16, while the ALT's forfeited to the SAM's.

Some of the fastest action of the volleyball tourney came on Monday of this week when the PIK's trounced a fighting Sigma Chi team by the score of 21-14 and 21-9.

For the winners, Neal was the best while Walner and Colhard were the best on the court for the losers. In the second tilt of the night, the Sig Eps had to go all the way to defeat this time Tony Gaeta and Lum Edwards had been charging very fast through the Indian line and before anyone had realized what had happened the big linesmen had chased the Indian star back to his own 43-yard line where Gaeta took the ball from an outstretched arm and ran the remaining 43 yards for the last score of the game.

The whole center of the State line played a brilliant game and allowed the Indians such a small amount of gains through the middle that they were forced to take to the air lanes, where the backfield took over and did a very good job of guarding these men.

The Wolfpack seems to have new power in the last few games and their spirit seems to have also improved, but let's hope that this State College team can continue to mark up games in the "win" column.

State	W&M
First downs	8 6
Passes attempted	14 6
Passes completed	10 6
Yards gained passing	48 125
Passes intercepted by	1 1
Net yards rushing	125 93
Punting average	37.7 29.8
Yards all kicks returned	43 18
Yards lost penalties	45 45

The State College Wolfpack, last Friday night, upset favored William and Mary eleven by the score of 20-6. The Wolfpack, who went into the game decidedly the underdog, struck through the air to make the pre-game predictions turn backwards. This game proved to be the first in the Conference win that the Wolfpack has been able to mark up this year, but if the team continues to show the same aggressive spirit that it has demonstrated lately, it will not be the last victory that the Red and White will have to its credit this season.

To set up the first State touchdown, Howard Turner hit Lum Edwards with a pass over our own 45-yard line. Then Richkus and Stanton, on reverses, were able to make it a firstdown on the Indians' 39-yard line. Turner then connected to Courts for another firstdown and then Fullback Bobby Worst carried the ball to the 18. Richkus was then good for ten yards and Turner took it three more to the W&M five yard marker. On the next play Turner started around end and bunched back to suddenly score on the lossers for the second time in the game. After an exchange of punts the Wolfpack was in possession of the pigskin on the Virginians' 40-yard marker. It was at this point that Howard Turner led for to his right and threw a long pass to Charlie Richkus on the 15. He was soon hit by two of the secondary but was able to shake himself loose and outrun the latecomers. Again Klock made good on the extra point.

After this State marker, the Indians came bounding back to suddenly score on the Indians as far as the 'Pack one-yard line before the resistance stiffened enough to hold on the goal line. At this point State punted to the 40 where it was taken by Magdziak and returned to the end zone. So far the Indians have a firstdown on the State 15 and were knocking at the touchdown door once more. Magdziak then started to circle his end but stopped short and tossed a pass in the opposite direction to Mills who was standing in the end zone. This play caught the secondary of State napping as no one was near Mills when he caught the pass. The attempt at the extra point was missed and the Wolfpack lead at the halftime 14-6.

During most of the second half it looked as if all of the scoring had been completed. The Indians had a firstdown on the State 15 and were knocking at the touchdown door once more. Magdziak then started to circle his end but stopped short and tossed a pass in the opposite direction to Mills who was standing in the end zone. This play caught the secondary of State napping as no one was near Mills when he caught the pass. The attempt at the extra point was missed and the Wolfpack lead at the halftime 14-6.

Some of the fastest action of the volleyball tourney came on Monday of this week when the PIK's trounced a fighting Sigma Chi team by the score of 21-14 and 21-9.

For the winners, Neal was the best while Walner and Colhard were the best on the court for the losers. In the second tilt of the night, the Sig Eps had to go all the way to defeat this time Tony Gaeta and Lum Edwards had been charging very fast through the Indian line and before anyone had realized what had happened the big linesmen had chased the Indian star back to his own 43-yard line where Gaeta took the ball from an outstretched arm and ran the remaining 43 yards for the last score of the game.

The whole center of the State line played a brilliant game and allowed the Indians such a small amount of gains through the middle that they were forced to take to the air lanes, where the backfield took over and did a very good job of guarding these men.

The Wolfpack seems to have new power in the last few games and their spirit seems to have also improved, but let's hope that this State College team can continue to mark up games in the "win" column.

THE WORLD'S MOST HONORED WATCH  
 WINNER OF 10 WORLD'S FAIR GRAND PRIZES, 28 GOLD MEDALS AND MORE HONORS FOR ACCURACY THAN ANY OTHER TIMEPIECE  
  
 THE LONGINES WATCHES

MILITARY WATCHES  
 Waterproof, Shockproof, Nonmagnetic with Sweep Second Hand  
 \$49.95 And Up  
 Fully Guaranteed  
 WEATHERMAN JEWELERS  
 1904 Hillsboro Street Raleigh, N. C.

DANIEL & SMITH, Inc.  
 OFFICIAL PHOTOGRAPHER FOR THE AGROMECK


OFFICIAL PHOTOGRAPHER FOR THE AGROMECK  
 We Invite You To See Your Proofs Made for The Agromeck Monday, 7:00 p.m. at The Agromeck Office  
 SEND A PICTURE HOME  
 PHOTOGRAPHIC STUDIOS  
 134 1/2 Fayetteville Street  
 Phone 8092

COME TO  
 The Vogue Shop for Men  
 FIRST  
 213 Fayetteville St.

AMBASSADOR  
 Friday through Tuesday  
 "WEEK-END AT THE WALDORF"  
 Van Johnson Walter Pidgeon Lana Turner Ginger Rogers  
 Wed., Thurs., Fri. and Sat.  
 "HER HIGHNESS AND THE BELL BOY"  
 Hedy Lamarr Robert Walker June Allyson

Powell & Griffis  
 GROCERIES MEAT  
 Next Door To The State Drug  
 Phone 2-2847 — 1-2848

Varsity  
 Friday  
 "MRS. PARSONS"  
 Greer Garson - Walter Pidgeon  
 Saturday  
 Len Chaney - Boris Karloff in "HOUSE OF FRANKENSTEIN"  
 Sunday and Monday  
 "EDGE OF DARKNESS"  
 with Errol Flynn - Ann Sheridan  
 Tuesday  
 "NIGHT CLUB GIRL"  
 Edward G. Robinson  
 Wednesday  
 "DESTINY"  
 with Gloria Jean - Allan Curtis  
 Thursday and Friday  
 "MEET ME IN ST. LOUIS"  
 Judy Garland - Margaret O'Brien

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

GLAD TO HAVE YOU BACK, FELLOWS!  
 for  
 The Best in Drawing Supplies  
 and  
 The Latest Hits by Your Favorite Bands  
 go to  
 JAMES E. THIEM  
 "EVERYTHING FOR THE OFFICE"  
 Dial 2-2913 108 Fayetteville St. Raleigh, N. C.

Brazil. Telephone Pioneer, Looks to Radiotelephony  
 Brazil, which established one of the world's first long distance telephone systems, soon after Bell patented his invention in 1876, now plans to be a pioneer in radiotelephone development. The radiotelephone is expected to complete for Brazil the network of communications which it became impossible to expand because of lack of roads.  
 STATE  
 Friday and Saturday  
 "CALL OF THE WILD"  
 Clark Gable - Loretta Young  
 Late Show Saturday and Sunday, Monday, Tuesday, Wednesday  
 "BELL FOR ADANO"  
 with John Hodiak and Jean Tierney  
 Thursday, Friday and Saturday  
 "INVISIBLE MAN'S REVENGE"  
 with Jon Hall and Evelyn Ankers

PEIRCE'S SPEECH

(Continued from Page 1)

ciple of the DeHavilland slit in air-plane wings. Having attained these results with cotton in heavy fabrics normally made of flax, a wide range of new fabrics was opened up. Flax makes such irregular yarn that self-sealing fabrics can only be made of coarse plied yarns. Irregularity increases roughly as the third power of the fineness and fine flax yarns are so irregular in thickness that they give a handcraft appeal to table linen and dresses. Fine cottons however make fine yarns as regular as the coarse yarns of flax canvas, and in similar constructions they can give the same self-sealing character to garment materials.

Here was an opportunity indeed. Since men had clothed themselves, they had suffered discomfort or worse from the wetting of their garments by rain or sweat. The problem became really serious in war, when men could not cease work for rain but had to fight at the highest pitch of bodily fitness under any conditions that might prevail and for long periods of exposure. A painted or coated fabric, oilskin or rubber mackintosh, held the perspiration and often produced conditions that went beyond discomfort to fatigue and collapse. The coating added weight without strength and had much less resistance to weather and wear than fibre. Water repellence, imparted by a wax finish to either a close or a hairy fabric, threw off showers but no such treatments resist long contact with water and without strength and had much less resistance to weather and wear than fibre. Water repellence, imparted by a wax finish to either a close or a hairy fabric, threw off showers but no such treatments resist long contact with water and without strength and had much less resistance to weather and wear than fibre.

The only thing that did the trick satisfactorily was a close-textured waterproof leather, such as chromed capeskin. Even this had to be taken with the limitations of its nature, very heavy for garments and rather sweaty and hot because of its thickness, obtainable only in small pieces with frequent, ineliminable flaws, and very scarce and small supply. Still, the tried and familiar practical utility of waterproof leather coats shows what can be done in the way of keeping water out without keeping sweat in. The water holding canvas texture made in fine mesh and waterproofed, preferably by a softening, semi-permanent treatment such as Zelan, does just that.

All the elements for such a material were present in the good cotton gabardines of commerce, such as Byrd cloth, but the gabardine in use was sacrificed to ease of manufacture, by the use of a twill weave. In this, the warp and filling are merely laid across each other half the time, with slack interstices incapable of resisting water pressure or sealing by fibre movement. Certainly, it makes a nice looking cloth with pleasant handle and drape, easy to weave and make-up. Is that worth getting wet for?

Tests showed that fabrics made from the gabardine yarns with the same number of threads gave in canvas weave twice the resistance to water pressure than in twill weave, retained when wet some 20 per cent less water on the cloth weight and then cut down the flow of water by a factor of some thousands. Tests also show that the close, self-sealing weave, though it increases resistance to wind penetration several times, does not diminish the outward flow of perspiration one whit. The latter is due to moisture diffusion, which increases with thickness, but is very insensitive to the size of interstices between water absorbing fibres. But the real test is to experience the comfort and protection afforded by the garments in wear. Then the invariable question is not "What are the test results?" but "Where can I get this?" and "How much does it cost?"

The cost need be very little more than that of gabardine as the same materials and processes are used. For the best results, the cotton may be a little better, the yarn spun more uniformly, the loom should be rather more rugged. Honest and intelligent control of production is

the essential rather than any increase in cost of materials, labor or plant. Where this can be got, water-tight garments of the highest performance can be made. Any nibbling at the quality required for a given purpose will degrade the performance out of all proportion to the savings in cost. A British association has been formed to insure that the manufacturers are well instructed and maintain effective control of production and that the consumers are protected by a tested, branded quality. The performance necessary to satisfactory service varies over a wide range with the purpose of the garment. Perhaps the most stringent is the ditching suit, in which a fighter pilot drops into the sea on the hope of getting picked up, perhaps in an hour or so, yet has to wear ready for action throughout hours of his duty.

The closest texture of best quality mercerized yarns is none too impermeable for such a purpose. This quality is too expensive and in too short supply for infantry G.I. or farm laborers, who may have to be content with the best that can be made of single yarn. It is too heavy for ladies capes, for whom a beautiful material of some 4 1/2 oz. per square yard can be provided, still of remarkably high performance: or good practical service for town wear can be provided in a handkerchief weight of 3 1/4 oz. per square yard. This will make a pocket cape or a serviceable light tent. Similar light materials provide cool, tropical clothing resistant to mosquitoes, the resistance to heat and moisture diffusion depend primarily on thickness.

At the beginning of exposure to rain, these materials behave like the familiar showerproof gabardines, becoming wetted neither slower nor quicker, on the surface, and quicker than a water-repellent twill. It is in prolonged or heavy exposure and in continuous service that the second line of defense comes into action, cutting down the penetration of water to very small proportions. The high performance realized seems to go beyond what might be expected of sealing by swelling alone, owing a lot to the persistent hydrophobic surface of the very fine interstices. Better, more penetrating water-repellent water repellents will improve the materials.

Work has been proceeding both in American and in England on the use of water absorbing but insoluble size and fillers to assist the fibers in sealing interstices, either to make up for the deficiencies of cotton yarns of lower quality or to attain extremely high impermeability, as for a ditching suit. Such added materials have not the wear resistance of fibre and make a very stiff fabric, but they should have their place among the many functions of vapor permeable, water-tight fabrics. These are not limited to bodily hygiene. A cover or container may maintain drier conditions under many circumstances if it allows moisture to diffuse out.

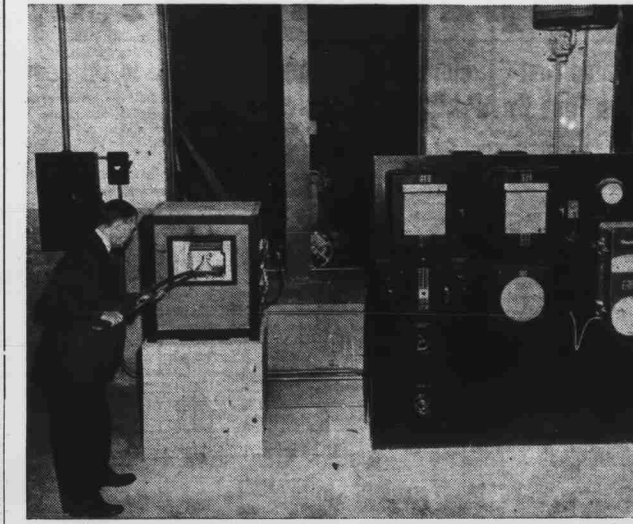
Ag Club Has Debate; Barnwarming Discussed

A debate was the important part of the Ag Club program Tuesday night. The query was: Resolved, that animals are more important than plants. The result was a very humorous clash in which the negative, or plant side, won.

John Tart proposed a motion that the Ag Club send in a student law to the State Senate. This is an annual demonstration in which the Ag Club usually takes part. A committee was appointed to frame a law.

Each dormitory was put on a committee to work on the Barnwarming. The committees will start functioning immediately. Many of the club members gathered at the Delta Sigma Phi house last night to improve their dancing. Frank Tins played several selections on his accordion at the club meeting. Among them were "The Missouri Waltz," "Always," "Deep Purple," "Begin the Begine," "Carolina Moon," and "My Only Sunshine."

The Nation's Most Completely Equipped Kiln



The Globar electric kiln in the Department of Ceramic Engineering at N. C. State College (shown above) is the most completely equipped instrument of its kind in the entire country. Dr. A. F. Greaves-Walker, head of the College's Department of Ceramic Engineering, is shown adjusting some material which is being processed by the kiln. The kiln, which is capable of attaining a temperature of 2,750 degrees F., is equipped with electronic tubes which automatically control its operation. The kiln was installed in the laboratory of the department during the war for the purpose of carrying on an important research project on radio and radar insulators for the Army Signal Corps. It will now be used by the faculty for research and for instructing students in the firing of ceramic products by electricity.

Energy Changed To Matter With Rays From Atom Smasher

Schenectady, N. Y.—Creation of matter from energy—reverse of the process that occurs in the atomic bomb and that keeps the sun and stars shining—can be accomplished with radiation from General Electric's new atom smasher. This device which is called a betatron and operates at energy of 100,000,000 volts, was shown to a group of scientific writers and editors who visited the General Electric Research Laboratory this past week.

Formerly thought separate entities, matter and energy are now known to be equivalent. Theoretically at least, as Einstein showed in his relativity theory, one may be changed to the other. In producing atomic energy the conversion from matter to energy is utilized. The reverse has been observed over a number of years in connection with studies of the cosmic rays and also of the rays from radium and similar radioactive elements. Since a small amount of matter corresponds to an enormous energy, very minute amounts of matter can be secured, even with the expenditure of huge quantities of energy.

This reverse process is called "pair formation." When high intensity X-rays pass close to the nucleus of an atom the ray, or photon, by some process not yet understood, may cease to exist. Instead there is created a new electron and a positron, which is an electron with a positive instead of a negative charge. Very quickly the positron happens near some other electron; the positive and negative charges cancel and both disappear, producing radiation again. The new electron created in the pair has mass, like the positron, and it is therefore a unit of matter.

To produce a positron-electron pair, the X-ray photon must have energy of a little over a million

GROVER SPEAKS

(Continued from Page 1)

was specific individual processes advanced beyond our own methods. Especially was this true in the reclamation of chemicals and by-products in the production of synthetic yarns.

However, there was a definite lack of cohesion between the different branches of an industry; lost motion in the shipment and rehandling of partially completed products. Machinery was, in general, older than our own, and inferior. For instance, our textile machinery is much more fully automatic than that in Germany.

Many of the best German developments and much of their skill, was diverted towards production of synthetic products. These hold only an academic interest to us and would be prohibitive from a cost standpoint. Asserted Professor Grover, "The condition of industrial and scientific priority that the U. S. had at the end of the war must be maintained. If there is a next time, this country must be ready and remember that the desire for personal power inherent in human nature has not changed in centuries and will not be changed by the signing of a document. This country must not relax as a united team for democracy. This is a serious challenge. This challenge to our own lives and future cannot be met by a nation divided by difference between groups, by strikes, and by mistrust."

volts. This would create a pair at rest. With higher voltages the pair has extra energy and higher velocity. Thus, the pairs formed with the 100,000,000-volt betatron are the most energetic ever produced by artificial radiation.

Creation of the pair is shown in a "cloud chamber," in which a thread-like line of fog marks the track of an electron or positron. A V-shaped track, caused by the two particles, is visible when the pair is formed.

Miller Speaks To Biological Institute

The State is confronted with "a real scarcity of first-class timber" because of the excessive cutting of sawtimber, destructive fires, and the indifference of the general public to the value of forest resources, declared Dr. W. D. Miller of the State College Division of Forestry in an address to a meeting of the Biological Institute last Tuesday.

"North Carolina," Dr. Miller said, "still has billions of board feet of timber of sawlog size, but we have come to the realization that a large proportion of our timber supply is of the type of material for which there is little or no demand under present conditions."

"Among the reasons for this condition are heavy cutting of pine sawtimber and destructive fires in the coastal plain forests. This fire situation is caused partly by the fact that the forests of the coastal plain are in large continuous tracts with few roads or trails and partly by the failure of the general public to realize the importance of the forests to community income. "A greater development of forest industries would make for greater public appreciation of the forests and would greatly strengthen efforts toward fire prevention and suppression. Forest industries should include not only lumber mills but also pulp mills and other chemical conversion plants, which would increase local incomes and provide a market for the hardwood timber which is accumulating in our forests."

Dr. Miller was introduced by Dr. Walter J. Peterson, president of the Biological Institute.

Atomic Bomb "Secret" Out, Says GE Director

The United States cannot keep the "secret" of the atomic bomb, because it is already generally known, Dr. C. G. Suits, vice president of the General Electric Company and director of its Research Laboratory declared at Saint Paul recently. He spoke before America's Town Meeting of the Air, broadcast over the ABC network.

"Lean forward and I will tell you the 'secret' of the atomic bomb," said Dr. Suits. "Uranium undergoes a process called fission, splitting into two nearly equal parts, with the release of 200 million electron volts of energy. Neutrons are also released which split other uranium atoms, leading to a chain reaction. The German scientist, Dr. Line Meitner, probably first appreciated this secret. It was published in 1939 and is now known to all the world, but only the United States has the factories for producing atomic bombs, and most important, the technical and engineering know-how. Other nations will develop this know-how in about five years."

"We have a period of grace of about five years in which to solve this problem of how to live at peace with our neighbor nations in a world of atomic bombs. If we fail, civilization falls. If we succeed, your children and mine will climb to new heights on the scale of civilization."

Explaining "what is good" about power from the atom, Dr. Suits pointed out that "science has broken into a vast almost unlimited storehouse of energy, and we are presented with opportunities for benefiting mankind to a degree hitherto unimaginable. It has been the use of energy in its various forms—mechanical, chemical, hydraulic, thermal and electrical—which has raised mankind from primitive levels to the high standard of living we already enjoy, and now we see before us a new, marvelously concentrated form of energy with which we may climb to heights we can only dimly foresee. It is indeed a new world which has been opened for exploration and development, but that pioneering will be arduous and beset by obstacles, requiring the cooperative efforts of the best scientific brains not of one nation alone but of all the world."

Each day, said Dr. Suits, the United States adds up to nearly a billion kilowatt-hours. "The nucleus of the atom," he declared, "contains ten billion kilowatt-hours for each pound of matter! It is true that the nucleus of uranium 235 or plutonium, as used in bombs, yields a mere ten million kilowatt-hours per pound today, but some day it will yield more! Here is the Colossus who can work for mankind on a scale that will make the industrial revolution appear a minor milestone on the road of civilization. Here is more power for the hand of man."

Heat Pump Idea 93 Years Old The fact that refrigerating systems are reversible has been known for 93 years, but steps toward applying this principle to home heating were taken only 20 years ago. The system, known as the heat pump, uses electric power to draw heat from the outdoor air. It is predicted that many homes in temperate zones will be equipped with the pump within ten years after the war.

VETERANS SPONSOR

(Continued from Page 1) Six productions which presented some of the best acting seen in the South have been planned for the winter season. These plays will be produced with an excellent cast under the professional direction of W. Everett Moll and will be seen for five nights each. Mr. Moll has had seventeen years experience in all phases of theatrical work and for the past two years was director of The Players, Sarasota, Florida. The first play, "Snafu," by Lewis Solomon and Harold Buchman, closes last Thursday night, November 1, after a very successful week. Noel Coward's "Blithe Spirit" will be the next production and is scheduled for production December 8th to 13th. The selection of the cast will be made November 11 and the first rehearsal is scheduled for Monday, November 12th.

Membership cards can be secured from any member of the Veterans Association at Dr. T. W. Wood's office, 104 Peele Hall. Adult membership for the remaining productions is \$4.20 and student membership is \$2.50. The driving for student membership ends November 15th.

Peirce Granted A Three-Month Leave To Go To Australia

Dr. Frederick T. Peirce, head of the Testing Department of the School of Textiles at State College, has been granted a three-month leave of absence at the request of the Australian diplomatic legation to go to Australia to advise the government there on various phases of textile research. It was announced Tuesday by Acting Dean Elliot B. Grover of the State College School of Textiles.

Dr. Peirce, a native Australian, who directed the testing division of England's world-famed Shirley Institute before joining the State college faculty, made the commitment to accept the Australian duties prior to his acceptance of the college post and will leave Raleigh next week to fulfill his obligations with the foreign government, Dean Grover said. Dr. Peirce will return to State College early in January.

Since his arrival at the institution, Dr. Peirce has inaugurated several far-reaching projects on textile research and has recently issued a lengthy report setting forth his discoveries on water-tight cotton fabrics, a significant subject to textile manufacturers and consumers. Appointment of Dr. Peirce, an internationally known textile scientist, to the State College position was made possible through the contributions of the Textile Foundation, which is supplementing State funds in obtaining top-ranking teachers for the College's School of Textiles.

Simple Silver Plater Home handymen now can silver plate worn plumbing fixtures, dinner ware, metal fittings and other household items with a simple plating in electro-plating that requires no previous experience to operate.

WELCOME TO RALEIGH!

This Year As Always  
★  
Your Fashion Headquarters Are  
★  
**FINE'S Men's Shop**  
201 Fayetteville Street  
Raleigh, N. C.

COLLEGE COURT BILLIARD PARLOR

You Are Always Welcome  
The Latest Sports Returns  
See "CAP" MOSELEY

BACK IN STOCK

LOOSE LEAF NOTE BOOKS  
(New Shipment Just Received)

And Most Everything Else That Is Essential For Carrying On Your School Work

AT THE  
**STUDENT SUPPLY STORES**  
"On The Campus"  
L. L. IVEY, Prop.

CAROLINA CLEANERS

"DEPENDABLE"  
YOUR CLEANING PROBLEMS HAVE BEEN SOLVED  
Cleaning Picked Up Monday Nights  
Returned Thursdays  
WE MAKE YOUR CLOTHES LOOK NEW AGAIN

Our Representatives on the Campus:  
**DOUG HOUSE**  
130 Bagwell  
**BILL KLUTZ**  
224 Becton

"..he loves me!"  
  
Drink  
**Coca-Cola**  
BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY BY  
THE CAPITAL COCA-COLA BOTTLING COMPANY, Inc.  
Dial 2-1179 Raleigh, N. C.