

# THE TECHNICIAN

of NORTH CAROLINA STATE COLLEGE

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STATE COLLEGE STATION, RALEIGH, N. C., SEPTEMBER 28, 1945

Offices: 10 and 11 Tompkins Hall

## Foundation Receives Over \$26,000 Gift

### L. D. Bayer To Head Agriculture School

#### L. D. Bayer Succeeds Resigning I. O. Schaub

Dr. I. O. Schaub, whose name has been linked with North Carolina's march toward agricultural diversification and progress since 1909, has resigned as dean of the State College School of Agriculture, and Dr. L. D. Bayer, director of the North Carolina Agricultural Experiment Station, has been appointed as dean of the school, it was announced recently by Chancellor J. W. Harrelson of State College.

Chancellor Harrelson, paying tribute to Dean Schaub for performing an "exceptionally fine job" since he inaugurated boys 4-H club work in the State in 1909, said that Dean Schaub's resignation was accepted "with regret" by the executive committee of the board of trustees of the Greater University of North Carolina and by the College's administration.

Dr. Schaub, who is affectionately known as "The Dean" by thousands of Tar Heel farmers, national agricultural leaders, statesmen and scientists, will devote his full-time services as director of the State College Agricultural Extension Service, a post he has held since July 1, 1924. Chancellor Harrelson said that the agricultural service's functions have grown to widespread proportions under Dean Schaub's direction and that the college's extension service is recognized as "one of the most outstanding services of its kind in the entire United States."

The 64-year-old State College agricultural leader, a native of Stokes County, became dean of the College's School of Agriculture in 1926 and was appointed acting director of the Experiment Station on December 1, 1937, upon the resignation of Dr. R. Y. Winters. He served in that capacity until October of 1940. For three years, Dean Schaub directed all three of the College's main agricultural divisions—each a man-sized job.

Dean Schaub, who was graduated from State College in 1900 as a member of the institution's eighth class, was awarded the honorary Doctor of Science by Clemson College in May of 1937. Dean Schaub has always maintained a close contact with State College students and has served as a member of the College's Athletic Council for many years. He is an ardent supporter of the school's athletic teams.

In addition to his service at State College, Dr. Schaub has been connected with Iowa State College, (Continued on Page 4)

### Rating Of Excellent Given To ROTC Unit

The War Department has notified the State College Department of Military Science and Tactics that a rating of "excellent" has been given to the department for its work, facilities, and personnel during the current academic year, it was announced here recently.

Col. William R. Carlson of Knoxville, Tenn., commanding officer of Army units at the University of Tennessee, recently made the annual Federal inspection of the State College ROTC battalion and the department, and the War Department based its rating upon Col. Carlson's report and upon the record of the staff and students.

The State College cadets demonstrated their proficiency in performing 13 different phases of modern warfare when the inspection was conducted.

State College's military unit consistently has been an "excellent" department rating of "excellent" for many years.

Officers in charge of the ROTC work at the College are Col. Douglas N. McMillin, commanding officer; Capt. Charles E. Cummings; and Lt. Frederick S. Woodruff.

### Feed Manufacturers Contribute To Agricultural Foundation



Roy D. McLaurin of Laurinburg, right, secretary of the North Carolina Feed Manufacturers Association, is shown as he presented his organization's check of \$26,498.53 to J. G. Vann of Raleigh, secretary-treasurer of the Agricultural Foundation, an organization to promote the vast agricultural research and educational programs at N. C. State College. The contribution from the

association was earmarked for poultry research and teaching and is one of the largest gifts to the Foundation, which is attempting to extend the services of State College to a larger number of the people of North Carolina and to advance the per capita of the rural population through a long-range program of technological research and education. Funds of the Agricultural Foundation now total approximately \$60,000.



L. D. BAVER

### New Mixing Chamber Designed by State Man

A new device making it possible for high-speed Diesel engines, which heretofore have only been able to burn special fuels, to operate satisfactorily on heavy and crude oils has been invented by Prof. Robert B. Rice, director of Diesel engineering at N. C. State College.

The invention, which will provide more economical operation and wider application of Diesel engines in agricultural and industrial enterprises, involves a new type of mixing chamber in which it will be possible to derive more power and speed from an engine of a given size.

In the post-war period the Diesel engine will probably be used extensively in North Carolina and other states in farm machinery, road building, cotton gins, buses, trucks, marine transportation, industrial power, and for "stand-by" units in large power plants. If the new engine development proves successful and is made available to the public, it should be of "significant value" to North Carolina and the nation as a whole, Professor Rice said.

Heavy oils which can be utilized through the aid of the new device are cheaper and furnish more mileage than the lighter oils now in use. The crude oils cost about four and one-half cents per gallon and will provide transportation or power at one-half and one-eighth the cost of the lighter oils and gasoline, respectively.

A patent for Professor Rice's invention is pending from the U. S. Patent Office, and two Diesel manufacturing companies have already expressed an interest in the device.

The new device is one of the few improvements made in Diesel engines, but the State College professor has filed nine typewritten pages of other improvements which, he thinks, should be made to enable the engine to become more useful. He anticipates the development of these other innovations as soon as possible.

Professor Rice has been instrumental in building at State College a Diesel engineering laboratory and school which is regarded by many authorities as the most modern and complete unit of its kind in the nation.

Rice said yesterday that American scientists have been slow in developing the Diesel engine to its maximum efficiency because of so many other sources of power. In the future, he stated, more emphasis will be placed upon Diesel engines, and their growing significance to industry and agriculture.

### John W. Clark Elected President Of Alumni

John W. Clark of Franklinville and Greensboro, textile industrialist and newspaper executive, has been elected president of the N. C. State College Alumni Association for 1945-46 in a mail election, it was announced recently by H. W. (Pop) Taylor, the college's alumni secretary.

Clark, president of the Randolph Mills, Inc. in Franklinville and a director of The Green second Dyeing Company, succeeds E. Y. Floyd of Raleigh, who was elected without opposition as chairman of the executive committee. Clark was graduated from State College with a B.S. degree in mechanical engineering in 1906 when he was only 18 years of age, and a year later he received a B.S. degree in textiles.

The new alumni president is a member of the Board of Trustees of the Greater University of North Carolina. The other presidential candidate was R. R. Fountain of High Point.

Other officers are: Taylor, who was re-elected secretary; J. G. Vann of Raleigh, re-elected as treasurer; W. H. Rogers, Jr., of Raleigh, first vice president; H. C. Kenneth of Durham, second vice president; David Clark of Charlotte, who was re-elected as a member of the Print Shop Committee; and A. G. Floyd of Raleigh, who was re-elected as a member of the Athletic Council.

Five members of the executive committee elected for terms expiring in 1948 are: R. D. Beam of Raleigh; W. Z. Betts of Raleigh; A. R. Harris of Oriental; John F. McNair, Jr., of Laurinburg; and Glenn M. Swigwood of Kinston.

Taylor explained that the votes were counted and the results certified.

(Continued on Page 4)

### Titles To Be Given In Agriculture Work

Setting a precedent in Southern agricultural education, State College has granted professorial titles to the teaching and research personnel employed in the three major divisions of the agricultural work of the institution, it was announced recently by Chancellor J. W. Harrelson of State College.

The titles, Chancellor Harrelson said, will include those of professor, associate professor, assistant professor, instructor, and teaching fellow depending upon the teaching experience and training of the persons involved. These ranks apply to teachers in the School of Agriculture and Forestry. If the faculty members are employed by the Agricultural Extension Service or by the Agricultural Experiment Station, the word, "research" or "extension," will precede the professional rank.

For instance, Chancellor Harrelson explained, if a person deserves the rank of professor and works for the Experiment Station, his title will be research professor. If such a person is employed by the Extension Service, he will be known as an extension professor.

(Continued on Page 4)

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(Continued on Page 4)

### J. S. Meares Granted Seven-Month Leave

J. S. Meares, associate professor of physics at State College, has been granted a seven-month leave of absence to teach physics in the Army-supported college at Biarritz, France, it was announced recently by Prof. Charles M. Heck, head of the College's Department of Physics.

Prof. Meares left Washington by plane for France and will begin his duties upon his arrival at Biarritz. He will instruct American servicemen, stationed in Europe. The work is a part of the War Deployment Program.

Prof. Heck said that he thought the tenure in France will offer a "fine opportunity" for Meares to study European educational systems and to aid American servicemen with their technical problems.



DR. FREDERICK T. PEIRCE

### Expert From England Appointed Director Of Textile Research

Dr. Frederick T. Peirce, former head of the Testing Department of the Shirley Institute of England, the world's largest and oldest textile research organization, has been appointed as director of textile research of the N. C. State College School of Textiles, it was announced recently by Dean Malcolm E. Campbell, head of the School of Textiles.

Dr. Peirce, a native of Queensland, Australia, resigned his post at the Shirley Institute at Didbury, Manchester, England, to accept the State College position and assumed his duties at the college yesterday. He has been a member of the Institute's staff for 24 years.

The new faculty member specialized in mathematics and physics at Sydney University and later received his Doctor of Science degree from that University on the thesis, "The Structure and Elastic Properties of the Cotton Hair."

For two years he undertook post-graduate research on x-ray crystallography, under Sir William Bragg, at University College, London, where he also lectured in physics. He is a fellow of the Institute of Physics, the Textile Institute, and the Royal Society of Arts.

Dean Campbell outlined the accomplishments of Dr. Peirce as follows:

In Australian Army "During World War I, Dr. Peirce served in the Australian army as a wireless technician, and later in the Sixth Australian Light Horse Regiment until he was wounded in combat in the Middle East. In the present war he has been responsible for a number of outstanding textile developments, including cotton fire hose and the well-known 'Shirley cloth' for raincoats used by both the British and U. S. armies.

"He was brought to this country in November, 1944, as a technical expert on the British Ministry of Supply Mission, at the request of the U. S. Quartermaster Corps. Later he spent a month in Ottawa at the invitation of the Canadian Government and returned to England in February of this year.

"Among his publications, which number about forty, are a series

(Continued on Page 4)

### Agriculture Club Holds First Meeting

Under the chairmanship of Philip Taylor, each member and officer of the Agriculture Club stood and introduced himself at the first meeting of the year which was held last Tuesday night in the Banquet Hall of the Cafeteria. A dance program was suggested and after much discussion Alton Wilson was appointed head of a committee to investigate the possibilities of a fall prom. Bruce Stinson was appointed chairman of a committee to look into the possibilities of reorganizing Alpha Zeta, a national, honorary agriculture fraternity. This fraternity has been disbanded for some time due to the national emergency declared by the President and the small enrollment in the agriculture department.

A recommendation was made by one of the members that keys be obtained for members who fulfilled

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### G. M. House Elected New Business Manager



THE REV. JOHN M. HAMM

At a Publication Board meeting held last Tuesday, G. M. "Gene" House of Scotland Neck was elected business manager of THE TECHNICIAN. W. J. "Bill" Daniel of Henderson was the former business manager but had to resign his position because he had an overload of honor points. House served as assistant business manager on the paper last year. This year he is also secretary of the Student Council.

### Rev. Hamm Appointed To Head Foundation

The Rev. John M. Hamm, a graduate of High Point College and Duke University, has assumed his duties as director of the Wesley Foundation, the Methodist student organization at State College.

The new director, the first full-time minister to be employed to direct the Foundation, succeeds Juanita Stott, assistant registrar at State College, who served as a part-time Foundation worker. The religious work is sponsored by the General Board of Christian Education of the Methodist Church, the Inter-Conference Wesley Foundation Commission of the North Carolina and Western North Carolina Conferences and the Fairmont Methodist Church.

The Foundation, which has been functioning for a number of years, maintains its office in Pullen Hall at State College and is affiliated with the Fairmont Methodist Church.

The Rev. Mr. Hamm, who was licensed in May of 1941 to preach in the Methodist Church, has, for

### Tar Heel Feed Men Aid In \$2,000,000 Goal

#### Youths To Receive Agriculture Awards

Kenneth Brantley of Zebulon, Route 2, and Hilton Carlton of Pinetops, Route 1, have been awarded scholarships to study agriculture at State College by the Planters Cotton Oil and Fertilizer Company of Rocky Mount, it was announced here yesterday.

The two youths, both selected for their outstanding scholastic records and for their participation in rural improvement projects, will receive \$400 in payment for their first year's study at State College, and the same amount of money will be awarded to them annually until they complete their four-year college course provided they maintain a satisfactory academic average.

The young students were selected from a large group of applicants on the basis of scholarship, character, leadership, community service, interest in the study of agricultural subjects, and intention of continuing their higher education in the agricultural sciences.

Young Brantley, the son of Mr. and Mrs. E. H. Brantley, is an honor graduate of Middlesex High School. During his four years of high school Brantley was a student of vocational agriculture and was active in the Future Farmers of America chapter. He was local FFA president, a delegate to the State FFA convention, secretary of the Nash County FFA Federation, and a winner of a number of prizes in public speaking and farm demonstrations.

Young Carlton is the son of Mr. and Mrs. T. C. Carlson and was graduated with high honors from the West Edgecombe High School last spring. He was crowned Edgecombe County 4-H health king, selected as the county's most outstanding 4-H club member, and was awarded a trip to Chicago to attend the National 4-H Congress for his accomplishments in 4-H club work. Young Hilton, a member of Beta Club, national high school honor society, was valedictorian of his senior class, maintaining a scholastic average of 91.14 in his high school work.

The Planters Cotton Oil and Fertilizer Company, donor of the scholarships, announced that it would continue to award an annual scholarship to State College to the leading farm boy from Nash or Edgecombe County.

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The Publications Board also awarded the contract for the 1946 Agromech. Two bids were received, one from The Observer Printing House in Charlotte, and one from Edwards & Broughton of Raleigh. The Observer Printing House, the printers of the last sixteen out of seventeen Agromechs, was the recipient of the one year contract. The engraving contract for next year will be fulfilled again by The Lynchburg Engravers of Lynchburg, Virginia.

The possible resumption of The Watagan, The Southern Engineer, and the other campus publications which became inactive during the war was also discussed.

### Ludington Appointed

Dr. John R. Ludington, professor of industrial arts education at State College, has been appointed a member of the American Vocational Association's committee on Industrial Arts and Policy Planning, it was announced yesterday.

The committee is composed of 14 leaders in industrial arts education representing all sections of the country. The appointment of Dr. Ludington was made by L. H. Dennis of Washington, executive secretary of American Vocational Association.

The past three summers, worked for the Duke Endowment Program serving several churches in various areas of the Western North Carolina Conference.

### Other Foundations Receive Contributions

A contribution of \$26,498.53, the largest single gift to date, has been presented by the North Carolina Feed Manufacturers Association to the Agricultural Foundation, an organization to promote agricultural research and training at N. C. State College, it was announced here by J. G. Vann, secretary-treasurer of the Foundation.

The check, which was presented to Vann by Roy D. McLaurin of Laurinburg, is earmarked for poultry research and teaching and will be used by the Foundation in extending the services of State College to a larger number of people of North Carolina and in advancing the per capita income of the farm population through a long-range program of technological research and education, Vann said.

Total funds of the Agricultural Foundation now are approximately \$60,000. Contributions to all six of the foundations supporting the vast educational and research work of the institution exceed \$1,000,000.

C. W. Tilson of Durham, president of the North Carolina Feed Manufacturers Association, is a director of the Agricultural Foundation and has been an ardent supporter of the Foundation's work since its inception.

At a recent meeting of the Foundation at State College, Representative Thomas J. Pearsall of Rocky Mount was re-elected president and a goal of \$2,000,000 was set for a widespread fund-raising campaign.

Authority has been granted to State College by the executive committee of the Greater University's board of trustees to accept contributions of \$6,500 from three foundations supporting the vast research and educational programs of the institution, it was announced yesterday by Chancellor J. W. Harrelson of State College.

A total of \$1,000 was donated by the Dairy Foundation to supplement the salaries of a professor of animal nutrition and a professor of dairy manufacturing, Chancellor Harrelson said.

The Agricultural Foundation allocated \$1,500 to supplement the salaries of the assistant director of the Agricultural Experiment Station, an agronomist, and a professor of agronomy.

An appropriation of \$4,000 was made by the Engineering Foundation to boost State funds in paying the salaries of the heads of two departments in the School of Engineering.

The foundations, all attempting to extend the services of State College to a larger number of people in the State and to develop a strong teaching and research program at the college as is in operation anywhere in the nation, now have funds exceeding \$1,000,000. The funds will be used to supplement State appropriations in obtaining top-ranking scientists and teachers for positions on the State College faculty.

### Dr. Shunk Addresses Biological Institute

The control of infections in man by the use of antibiotic substances is one of the most recent advances in the field of bacteriology, declared Dr. I. V. Shunk of the State College Department of Botany in an address recently to a meeting of the Biological Institute at the college.

A number of antibiotics are produced, Dr. Shunk said, but he listed penicillin and streptomycin as two of the most outstanding.

The development of penicillin, almost entirely since Pearl Harbor, gives promise of filling a want for stopping infections not cured for by the sulfa drugs," the State College scientist stated.

"Penicillin," Dr. Shunk continued, "is very effective in cases of blood poisoning, infections with purulent staphylococci, and against the causal germs of gonorrhea and meningitis. It is also effective in curing syphilis. It does not have any beneficial action in typhoid or tuberculosis.

"On the other hand, streptomycin which is produced by a common soil-bearing actinomycete—a type of mold-like growth—gives promise of assistance in checking typhemia, or rabbit fever, undulant fever, and tuberculosis. The work on streptomycin is still so recent that it will be some months yet before the tests at the Mayo Clinic on its action in human tuberculosis can be evaluated."



# STATE TROUNCES MILLIGAN, 47-12

Will the Norfolk jinx continue? That's the question that all of the State fans are debating. In the games which the Wolfpack teams of the past have played in Norfolk, not one time has the State club lost. Last year Beattie Feathers' boys defeated both Virginia and William and Mary in the coastal city. State's win over the Cavaliers last year was the only mar in keeping Frank Murray's squad from having an undefeated season. Among the many feats of last year's Virginia team was a 13-13 tie with North Carolina Pre-Flight. The Cloudbusters had defeated Navy and Duke on the two weeks preceding the Virginia game.

The Cavaliers have ten players returning from last year's starting eleven; so this year's Virginia outfit is a real powerhouse. State's team is much improved, too—but is decidedly the underdog in tomorrow's State-Virginia game. Coach Feathers' boys must play heads-up ball to win this game.

Last week's statement that the Duke football team is not as good as last year's outfit may be altered somewhat. After watching each of Duke's many teams roll over South Carolina's hapless Gamecocks last Saturday, an observer could think but one thing—Eddie Cameron has another championship eleven. Coach Cameron substituted freely in last Saturday's game, and one team appeared just about as good as another. The Blue Devils should have another breather tomorrow against the Bogue Field Marines, but Saturday week, the U. S. Naval Academy football team will invade Duke Stadium. The outcome of the Duke-Navy game will indicate the strength of this year's Blue Devils.

We believe that Carl Snavely has something up his sleeve that he hasn't yet shown. Snavely's a mighty tricky coach, and he doesn't intend to have a losing ball club at Carolina. Don't expect a UNC victory tomorrow, but do look for the Tar Heels to put up a good fight.

Peahead Walker unveils his Deacons at Knoxville tomorrow afternoon against Tennessee. Despite the numerous returning lettermen on the Baptists' squad, only the most optimistic pick a Wake Forest victory. In fact, if the Deacs win one of their first three games, which are with the Vols, Army, and Duke, we'll be mighty surprised.

State's ex-coach "Doc" Newton, now coaching at Guilford College, will take his team to College Park to meet Maryland's Old Liners tonight. Good luck to "Doc" in his first year at the Quaker school.

Student turnout at the Milligan game last Saturday night was pretty good. By the next home game, we hope that there will be some organized cheer-leading. Incidentally, the Wolfpack play here each Saturday night for three weeks beginning next Saturday night. It's Clemson next week, V.M.I. the following week, and Wake Forest on the 20th.

Last week, your dally-er came out first on the predictions with five incorrect choices. Rudy Pate was second with six incorrect, and Mr. Doak and Ray Reeve missed seven apiece. All four missed the Michigan-Indiana, Colorado-Denver, Rice-Corpus Christi Navy, and Fresno State-Col. of Pacific games. Mr. Doak was the only one of the four of us to pick St. Mary's to defeat California.

Remember you can win two tickets to the Varsity if you pick the most games correctly. Bring your list of predictions by the main office at the YMCA and leave them with someone at the desk.

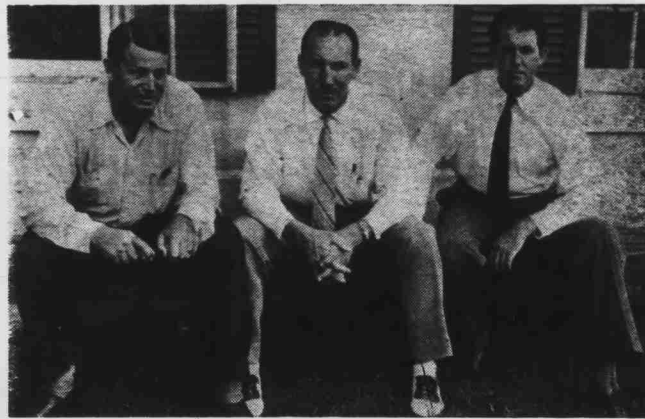
### Class Meetings

In order to put the Student Council on a footing, conforming with the new constitution, election meetings of the three upper classes will be held at one o'clock on Wednesday of next week, October 3. The senior class will meet in the North wing of the YMCA; the junior class will meet in the YMCA auditorium; and the sophomore class will meet in Pullen Hall. Class presidents will preside and possibly other business will be considered.

The constitution calls for one representative from each of the four schools (Engineering, Agriculture, Textiles, and Teacher Education) in each class. Fresh-

man representatives will be elected some time between January 1 and February 1. At present the seniors have two from Engineering and one from Agriculture, elected under the old system last Spring. They will now choose one each from Textiles and Teacher Education—more than their allotted number. The juniors now have one man each from Engineering, Textiles, and Agriculture. They will elect on Wednesday one man from Teacher Education. After the Council completes its student membership, four faculty representatives will be chosen for one year-terms directly by the Council. In the Spring faculty members will be chosen in the general campus election.

### State's Coaches



Pictured above are State's three coaches: line coach Lyle Rich; head coach Beattie Feathers; and end coach Star Wood. This is the second year for Feathers and Wood at State. Rich is coaching here for the first time. Last year he coached at Bluefield, W. Va.

## Head Coach Feathers Was Great Grid Star



PROF. ROSS O. STEVENS Wildlife Official

Ross O. Stevens, professor of zoology at State College, has been granted a year's leave of absence from his duties at the College to become executive secretary of the North Carolina Wildlife Federation, it was announced recently by Dr. Z. P. Metcalf, associate dean of the Graduate School and head of the State College Department of Zoology and Entomology. Professor Stevens, author of "Talk About Wildlife," a volume dealing with game practices in North Carolina, will aid the Federation in organizing clubs and in carrying on a widespread educational program for hunters and nature lovers.

Head Coach Beattie Feathers of N. C. State College, one of the nation's greatest backfield stars during his playing days, began his grid career as a sand-lot player more than two decades ago, but even after all of these years of playing, coaching, and just being a fan, the 36-year-old State College mentor contends that gridiron techniques are "still fascinating."

The serious-demeanored Feathers, who talks slowly but who moves rapidly on the football field, is beginning his second year as head skipper of the State College Wolfpack, which he led to seven victories as compared with two losses last fall to clinch N. C. State's best football record since 1927.

Coach Feathers, a familiar figure to the nation's pigskin fans since 1933 when he was chosen for All-American honors at the University of Tennessee, is an unassuming but effective leader and gained the respect and praise of sports writers, commentators, and fans all over the South for his work in fashioning the colorful, smooth-working 1944 State College team which he developed from 30 inexperienced freshmen and sophomores.

When he was a member of the rugged Chicago Bears' professional football team, the husky Feathers gained 1,006 yards in one season, a record that has never been equalled in that league. Each time Feathers carried the ball that season he averaged advancing 9.8 yards—almost a first down each trip.

Feathers succeeded Coach Williams (Doc) Newton as head coach at State College in the spring of 1944 when Newton moved over to the University of South Carolina. Feathers was "borrowed" from Appalachian in 1943 to aid Coach Newton in training the 1943 version of the Wolfpack.

N. C. State's head coach held a (Continued on Page 4)

## A Major in English Coaches State Ends

It's a rare combination when a football coach mixes poetry and grid techniques, but End Coach Star Wood of N. C. State College is equally handy with the vaunted T-formation and with the 19th century offerings of the poets.

The mild-mannered Wood, 185-pound mentor, who this fall began his second year as chief assistant to Coach Beattie Feathers of State's Wolfpack, lacks only a few credits before he will qualify for his doctor's degree in English, and any Tar Heel sports fan, who watched the smooth-working end perform for State last season, will verify the fact that Wood knows his football strategy, too.

Coach Wood, one of the most popular members of State College's faculty, made the All-Conference rating when he played end for Milligan College's Buffaloes in 1933 and 1934. After graduation from Milligan, he taught English and coached for his alma mater.

Following a brief tenure on the

## Wolfpack Travels To Meet The Cavaliers

### Wolfpack Trainer Begins Sixth Year

Dr. George B. Powell, well-known member of N. C. State College's athletic staff, is beginning his sixth year as the Wolfpack trainer. A native of Indiana, Dr. Powell spent 23 years in private practice in Gastonia.

During his period of service in Gastonia, Dr. Powell was trainer for the American Legion baseball team.

Former Head Coach Williams (Doc) Newton coached in Gastonia prior to his connection with State College, and when he needed a trainer for the Wolfpack, Coach Newton sought the services of Dr. Powell.

The N. C. State trainer, who never tires of playing practical jokes on his friends, was educated at Kirksville's School of Osteopathy and Surgery at Kirksville, Mo.

Last Saturday night the State College Wolfpack, led by veteran Howard Turner, scored almost at will to trounce the Buffaloes of Milligan College, 47-12. On the first offensive play of the game for State, Turner completed a 35-yard pass to Charlie Richkus for the first score of the current season. The Wolfpack then promptly scored twice more in the same period to lead 21-0 at the end of the first quarter.

During the second period, State fumbled six times and only recovered once. It was these fumbles that set up Milligan's two touchdowns. Coach Feathers used twenty players besides the starting eleven and gave the reserves plenty of chances to prove their worth by using the starting eleven less than half of the game. It was only when the reserves were in the game that Milligan was able to put up any resistance whatsoever.

The first team started the third quarter and combined with the reserves to score 19 points during that period and seven during the final quarter to round out the 47 points.

Howard Turner led the State attack with very able support for Winston Naugler at blocking back while Charlie Richkus and Bobby Worst also showed up well. In the reserve backfield Jim Dorton and Bernie Goehring, both newcomers to the squad, looked very promising.

The crowd that attended this game was not very large but the vast majority of them were well pleased with the 1945 version of the Wolfpack.

The State-Virginia game that will be played in Norfolk tomorrow will be the first real test for the fighting Red and White. Last year State pulled one of the major upsets of the season when they took advantage of the breaks and defeated the favored Cavaliers 13-0. This year the lads from Charlottesville will, needless to say, be out for revenge.

Last week end the Virginia team took the Coast Guard Academy in stride as they defeated them 37-0. The attack was led by end Hank Walker and back Clyde Johnson. This pair, along with Johnny Duda, will be the big guns in the Virginia offense that the State boys must stop. The Cavaliers are very fortunate in having a very powerful reserve force on which to rely and they may be needed if the Virginians are to come out on the big end of the score tomorrow night.

Faced by its first major test of the young grid season, N. C. State College's Wolfpack buckled down to its hardest drill of the week on Wednesday.

Polishing certain features of both the offensive and defensive departments of his outfit, Coach Beattie Feathers of N. C. State concentrated his attention Tuesday on blocking, tackling, pass defense, the running of plays, and punt protection.

The hard-working Wolfpack, a bit encouraged by the 47-12 defeat which it handed Milligan College's team last Saturday, tapered off the heavy physical drills on Thursday, but Coach Feathers and his associate coaches had plenty of black-board exercises on tap for the State boys.

The soft-spoken Feathers has been issuing strong warnings to his proteges all this week that Coach Frank Murray's Virginians possess one of the most powerful attacks in all Dixie. Back John Duda, one of the South's leading football stars, will probably lead Virginia's scoring forays, and Jay Kennard, who began last season as Duke University's No. 1 tailback, is running second string on Coach Murray's eleven, indicating the type of talent on hand at the Virginia institution.

When the two squads assemble on Foreman Field on Saturday, something of a "T" party is in store for the grid fans. Both the Wolfpack and the Cavaliers are adept in the use of the vaunted T-formation, and both schools use it as their main style of attack. As one fan put it, a T-rifle gridiron battle is in the offing.

Unless injuries upset the N. C. State bandwagon, Coach Feathers' charges will be able to operate with all his starting lineup in top-flight physical condition.

**Notice**  
The AICHE will meet for the first time this year on Tuesday, October 2, at 7:00 p.m. in Winston Hall.

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### THE PROBLEM OF CHEATING

(Ref: Wheeler & Perkins, "Principles of Mental Development," New York, Thomas Y. Crowell Co., 1938, pp. 503-505.)

The prevalence of cheating in examinations in high schools and universities casts a serious reflection upon our educational system and is a problem which, unfortunately, many educators are unwilling to face. It is proof of a serious defect in the system, but one hates to admit that the system is faulty when it is one of his own construction, or one with which he has identified himself. Prospective teachers owe it to the educational system, to the student and to the success of their own teaching to consider the matter from all angles as a psychological problem. The causes of cheating are obvious. It is a sign that the student is working for an ulterior motive and not for the sake of learning when, in reality, he attends school in order to learn. The extent that grades are effective as a reward that does not represent achievement. Under the laws of human nature an ulterior reward cannot measure or represent achievement for the achievement is inevitably its own reward. To the extent that grades are effective they are a reward for another achievement, that of having secured social approval often without mastery of the subject matter. If no one knew about a person's grade it would not be worth working for, whereas mastering a given subject is its own reward whether anyone knows it or not. The greatest minds of all ages have placed achievement first and social approval second. All minds obey the same principle whether the achievements be modest or great, learning to spell or discovering a planet. The learning achieved, the learner, until spoiled, imparts his information from a demand that others share the interest and value in the discovery.

#### Hypocrisy

The grading system, therefore, places a premium upon hypocrisy and the acceptance of something for nothing. It cannot remain as a factor in our educational system for it is causing the system to defeat its own purpose. And as the classroom becomes more crowded, teachers more and more overworked, and more and more emphasis is placed upon the student, the situation is gradually becoming worse. When the atmosphere of cheating once permeates an institution the student, honest when he reaches the institution, is at a serious disadvantage. With others around him obtaining grades without mastering the subject he feels that his achievement is not worth very much and sooner or later accepts the attitude of "What's the use." Moreover, social pressure, whether consciously brought to bear or not, has its effect. While in Rome he does as the Romans do.

#### Lower Grade Emulation

Worse yet, the methods and lore of students in the higher institutions are gradually creeping into the lower ones, where, at least, they are in proximity to each other. The high school student emulates the college student; the junior high school student emulates the senior high school student, and so on down the line. And finally, the problem is aggravated by increasing masses of students at all ages in the school system. This means that the scattering of "ability" at each level is wider, especially in the direction of the lower end. The presence of increased numbers of dull students exaggerates the cheating problem. It creates additional difficulties, as well, because the lower grade student has a great effect on the higher grade student than vice versa.

#### Wrong Motive

The laws of the moral life are natural laws. Where there is conflict with moral principles, or in this case dishonesty, the laws have been misapplied. The cause must be removed. It is a psychological problem not alone of motivation but of correct methods of instruction, based on the laws of human nature. Where there is cheating there is the lack of the will to learn, and where there is no will to learn, there is no learning. The educational psychologist is as obligated to solve this problem as he is to determine whether one should learn "by wholes or by parts" for, after all, he must control the will as much as the mechanical technique of distributing subject matter.



### DR. C. HORACE HAMILTON Gets National Honor

Dr. C. Horace Hamilton, above, head of the N. C. State College Department of Rural Sociology, has been granted a 15-month leave of absence to conduct a national study on the social and economic aspects of the hospitals in the United States for an independent group of three foundations. Principal objectives of the study are to obtain a census of America's hospital facilities, to determine the need for additional facilities and services, and to recommend methods by which the plan may be adopted. The foundations sponsoring the program are the Kellogg Foundation, the Commonwealth Fund, and the National Foundation for Infantile Paralysis.

"The selection of Dr. Hamilton for such a comprehensive study is an honor to the college and to Dr. Hamilton, who gained prominence as a member of the North Carolina Commission on Hospital and Medical Care," declared Col. J. W. Harrelson, chancellor of State College, in announcing the approval of Dr. Hamilton's leave.

#### FEATHERS

(Continued from Page 3)

similar position at Appalachian in 1942, making an outstanding record there. From 1934-37 he played for the Chicago Bears and made the All-Professional rating in 1934 when he was in the Bear lineup. Later Feathers played pro ball for Brooklyn in 1938-39 and was a member of the Green Bay Packers' eleven in 1940.

After completing his first season as head mentor at State College, the College's Athletic Council, headed by Dr. H. A. Fisher, put its stamp of approval upon Feathers and his record and offered him a three-year contract to set the football pace at N. C. State during the post-war period.

Coch Feathers has been working since August 6 in his grid training program designed to fortify N. C. State's Wolfpack for a nine-game schedule during in 1945 season. He is refraining from much comment about the type of team he may be able to produce at State this fall, but he declared recently that if injuries do not hamper his key players—the eight lettermen—the Wolfpack will win its share of the ball games this season.

The State team opened this season's schedule on Saturday night, September 22, with Milligan College's Buffaloes here in Riddick Stadium.

#### SHARPS and FLATS

(Continued from Page 2)

of over two and one-half years of research by Dave Dexter, one of the foremost jazz authorities in America. There are to be four albums, released every month, and it covers jazz from its conception in New Orleans to its maturity in New York's 52nd Street. It features 100 top jazzmen, and I think it is the best yet offered to the public in jazz music. It is a MUST for all jazz fans.

Last, but far from least, we have something in the way of a modern classic: Addinsell's "Warsaw Concerto." This concerto was performed in the motion picture, "Suicide Squadron," and it is one of the most beautiful that I have ever heard. There are three versions of it—the Los Angeles Philharmonic's, with Alfred Wallenstein playing piano, Andre Kostalanez's with Alec Templeton, and that of the London Philharmonic, with Muir Matheson conducting. The latter is taken from the soundtrack of the film, and I think it is the best. The theme of the concerto is preceded by a masterpiece of orchestration. I know it has taken this town by storm—if possible, try to get it. You won't be sorry.

PREDICTIONS				
(Continued from Page 3)				
Washington-Oregon	Wash.	Wash.	Ore.	Wash.
Col. of Pac.-St. Mary's P-F	St. M.	St. M.	Pac.	St. M.
UCLA-San Diego Navy	Navy	UCLA	UCLA	Navy
Idaho-Washington State	State	State	State	State

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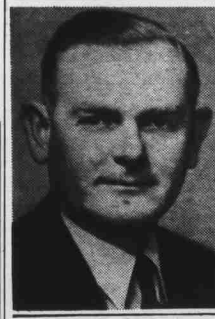
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**OUR NEWSPAPER**



### Beam Is New Director Of State Foundations

Robert D. Beam of Raleigh, trust officer of the Wachovia Bank and Trust Company for 12 years, assumed his duties as director of foundations at State College on Monday.

Beam, a 1926 graduate of State College in civil engineering, will supervise the solicitation of funds for foundations, which now have property exceeding \$1,000,000. He also will handle the public relations program for the foundations.

Prior to his connection with the bank, Beam was in charge of physical properties for the State School Commission and did work as a professional engineer.

The ne official, a charter member of the board of directors of the State College Foundation, Inc., and a supporter of the five other foundations aiding the college's vast educational and research programs, is past president of the Raleigh Lions Club and is a member of the board of directors of the Raleigh YMCA.

Beam, a native of Shelby, is permanent president of the State College Class of 1926. He was highly active in campus affairs during his student days. He was business manager of *The Agromech*, student annual, and a member of the Student Government, the Engineering Council, and Theta Tau.

A campaigner, inaugurated by Beam last fall, boosted from 19 to 50 the total number of life members of the college's General Alumni Association.

Beam succeeds Roy L. Williamson, who held the position as property officer of the college until last May when he resigned to become city manager of Burlington.

#### EXPERT

(Continued from Page 1)

entitled "Tensile Tests for Cotton Yarns," "The Fitness and Maturity of Cotton," "Serviceability of Fabrics," "The Geometry of Cloth Structure," "Molecular Coordination in Cellulose," and "Cotton Research and Academic Physics." He has also been responsible for more than 10,000 special reports and confidential memoirs to British textile mill government departments, and users of textiles.

"In his new position at the State College School of Textiles, Dr. Peirce will develop and direct the program of fundamental and applied research, with particular emphasis on new-fabric development. He will also lecture to students in fiber properties, textile testing, and mechanical fabric design, both at the graduate and under-graduate level."

### BAVER

(Continued from Page 1)

the Frisco Railroad, and with the Federal Extension Service as director of its Southern region.

Dr. Baver, known nationally for his achievements as an agricultural scientist, teacher, author, and administrator, was advanced from his post as associate dean to the deanship. The new dean, a native of Ohio, was graduated from the College of Agriculture at Ohio State University in 1925 and received his doctorate from the University of Missouri in 1929.

The 44-year-old educator and research expert came to State College in October of 1940 to become associate director of the North Carolina Agricultural Experiment Station and head of the Department of Agronomy. He later became director of the Station.

Dr. Baver is co-author of 42 scientific publications dealing with soil chemistry, soil physics, soil fertility, soil conservation, hydrology, soil development and classification, and colloidal chemistry. He is author of a textbook on "Soil Physics" and has contributed a chapter on "Retention and Movement of Soil Moisture" to the book on Hydrology, a volume in the Physics of the Earth Series sponsored by the National Research Council.

The new dean, highly active in scientific societies, is national chairman of the Experiment Station Section of the Land Grant College Association; chairman of the Southern Directors of Agricultural Experiment Station; vice president of the Soil Science Society of America; chairman of the Special Research Committee of the Tennessee Valley Authority; and a member of the Joint Committee on Soil Tilth of the American Society of Agronomy.

Before he joined the State College faculty, Dr. Baver held positions with the Ohio State Agricultural Experiment Station, the University of Missouri, the Alabama Agricultural Experiment Station, the United Fruit Company in Central America, the Soil Erosion Service, and the Soil Conservation Service as director of research in the corn belt region.

Dr. Baver, who has recently received offers to attractive positions in five of America's leading institutions, said that he preferred to remain at State College and aid in advancing North Carolina's agricultural research and educational programs, which are designed to enhance rural living and increase the per capita income of the State's farmers through technological progress.

"We are all going to work together as a team," Dr. Baver said, in announcing the policy that he would pursue as head of the School of Agriculture. He asserted that he appreciates the confidence that the people of the State and the College administration have placed in him and pledged his "wholehearted cooperation to all folks interested in the betterment of North Carolina agriculture."

Dr. Baver said that he plans to enhance rural living and increase the per capita income of the State's farmers through technological progress.

Mrs. Peirce, a native of Scotland, and their three daughters, aged 22, 18, and 10 years, will follow Dr. Peirce to this country as soon as circumstances permit.

### AG CLUB

(Continued from Page 1)

certain standards. The club appointed Tom Morgan to investigate the matter and to write to jewelry companies to obtain samples and prices for the keys. Dr. Lutz, faculty adviser to the club, was the guest speaker of the evening. The party was brought to a conclusion with the election of Jimmy Wilson as reporter. The officers are Tom Haislip, president; Z. B. Miller, vice president; Paul Jordan, secretary, and E. M. Stubbs, treasurer.

#### CLARK

(Continued from Page 1)

fied by three members of the executive committee who were not candidates for re-election. The election, Taylor said, drew votes from alumni in 20 states and the District of Columbia and from members of the armed forces in both the Pacific and Atlantic areas.

State College now has more than 25,000 former students, and more than 5,000 of that number are in the armed services where they have won virtually every American honor and decoration for bravery and gallantry conceivable. Among the servicemen are one rear admiral and five generals.

#### AG TITLE

(Continued from Page 1)

as extension professor.

The college leader said that the new titles "will help to ease one of the difficult problems we have had regarding ranks of comparable men in the Station and the Extension Service." The same procedure regarding Experiment Station workers, Chancellor Harrelson asserted, is used by the following institutions: Connecticut, Maryland, Wisconsin, Iowa, and Massachusetts.

Thus, State College set its second precedent in Southern Agricultural education within four years. In November of 1941, N. C. State established another precedent in the Southern states by inaugurating a graduate program in agronomy which permits Southerners to earn the Doctor of Philosophy degree in this field without having to attend a northern or western college where agricultural practices differ from those in this section.

Agriculture the outstanding institution to its type in the South.

The college leader announced that Dr. Ralph W. Cummings, head of the College's Agronomy Department, will serve as assistant director of the Experiment Station and that Dr. C. W. Bostian will be assistant director of instruction in charge of the students.

### AMBASSADOR

Friday and Saturday

Gary Cooper - Loretta Young

"Along Came Jones"

Sunday, Monday and Tuesday

"You Came Along"

Robert Cummings and Elizabeth Scott

Wednesday thru Saturday

Claudette Colbert and Don Ameche

"Guest Wife"

### VARSITY

Friday, September 28

"JIMMY STEPS OUT" with James Stewart - Paulette Goddard

Saturday, Sept. 29

"MALE ANIMAL" with Joan Leslie and Henry Fonda

Sunday, Monday, Sept. 30-Oct. 1

"CONSTANT NYPH" with Joan Fontaine and Charles Boyer

Tuesday

"MANPOWER" with George Raft and Marlene Dietrich

Wednesday, Oct. 3

"GEORGE WASHINGTON SLEPT HERE" with Jack Benny and Ann Sheridan

Thursday, Oct. 4

"MISSION TO MOSCOW" with Walter Huston and Ann Harding

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"THAT'S THE SPIRIT" with Jack Oakie and Peggy Ryan Tuesday and Wednesday

"The True Story" Wednesday and Thursday

Kirby Grant and Gloria Jean in "EASY TO LOOK AT"

**CAPITOL**

Friday and Saturday

Johnny Mac Brown in "LOST TRAIL" with Raymond Hatton Chapter No. 2, "Master Key"

Sunday

"RANGE BUSTERS" with Ray Corrigan and Lester Kline Monday and Tuesday

"PILLOW TO POST" with Ida Lupino Wednesday and Thursday

Kirby Grant and Gloria Jean in "EASY TO LOOK AT"

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