

# THE TECHNICIAN

of NORTH CAROLINA STATE COLLEGE

Vol. XXIX, Number 12

STATE COLLEGE STATION, RALEIGH N. C., JANUARY 7, 1949

Offices: 10 and 11 Tompkins Hall

## Contracts Let For Engineering Laboratory

### Structure To Be Completed Not Later Than June, 1950

Contracts for the erection of the Engineering Laboratories Building at State College, calling for the expenditure of \$1,245,151.00 in State funds, have been awarded to five North Carolina companies, Dean J. H. Lampe of the College's School of Engineering announced recently.

The J. A. Jones Construction Company of Charlotte was the recipient of the general construction contract for \$948,700, and the contract for the plumbing was let to the Crutchfield Plumbing Company of Greensboro for \$125,872.

The heating system contract went to the Electrical and Sales Company of Raleigh for \$84,450, and the contract for the electrical services was awarded to the Thompson Electrical Company of Raleigh for \$77,444. The Monarch Company of Greensboro received the contract to install a freight elevator at a cost of \$8,685.

The five contractors submitted the lowest bids for the work, Dean Lampe said. The bids were opened on November 19, but the contracts were not awarded until college authorities and State officials made a study of the bids.

Dean Lampe said that the contractors already have begun the preliminary work essential to beginning the construction. He estimated that the structure will be completed "not later than June, 1950."

When completed, the building will be one of the most modern structures of its type in the nation, Dean Lampe stated. It will contain space and facilities for the Department of Chemical Engineering, the Department of Industrial Engineering, the Department of Engineering Mechanics, and the Department of Engineering Research. It will also include laboratories and equipment for the use of other departments and divisions of the college.

The administrative offices of the School of Engineering, including Dean Lampe's office, will be located in the new building. There will also be 12 class rooms and two large lecture and demonstration rooms, with seating arrangements for 150 persons in one room and for 350 in the other.

Special stairways will lead to the roof of the southwestern wing of the structure, where facilities for high frequency testing—including television, radar, and frequency modulation instruments—will be installed.

Equipped with the latest devices for instruction, research, and industrial services, the building will contain X-ray equipment, high voltage electrical apparatus, and complete ceramic and structural clay investigation machinery.

Dean Lampe also explained that electronic and high frequency communications laboratories, new and modern physics laboratories, and specialized equipment for use in teaching and for solving industrial problems will be housed in the new building.

These up-to-date training facilities will be available for all departments of the school and will fill a long-felt need at State College, Dean Lampe stated. He said

the space and laboratories are urgently needed for training the thousands of young men and women now enrolled at the college and for others who will enroll in the future months and years.

The building and its accompanying space and intricate equipment will enable State College to extend its services to a larger number of the people of the State and to offer the highest type of training in the field of technology, Dean Lampe said.

The three-story structure, which will relieve the congested conditions in the School of Engineering, will be in the shape of an "E" and will be of simplified brick construction. The building will be treated throughout for proper acoustics and will be illuminated by fluorescent lights.

It will be located between the college laundry and the Zoology Building in the central section of the campus and will include the present Research Building, which will form one of the wings of the new structure.

Architects for the building are Northrup and O'Brien of Winston-Salem.

Following the erection of the laboratories building, Dean Lampe said that the School of Engineering contemplates the construction of a Mechanical Engineering Building and an addition to Daniels Hall, which houses the Department of Electrical Engineering.

### Barnhardt, Dicks To Edit Handbook

William M. Barnhardt of Charlotte and Earl T. Dicks, Jr., of Kenosha, Wis., have been elected as editor and business manager, respectively, of the State College Handbook for 1949, Worth Stinson of Monroe, retiring editor and president of the College YMCA, announced recently.

Barnhardt and Dicks are both juniors in the College's School of Textiles, and both did outstanding work on the 1948 edition of the handbook.

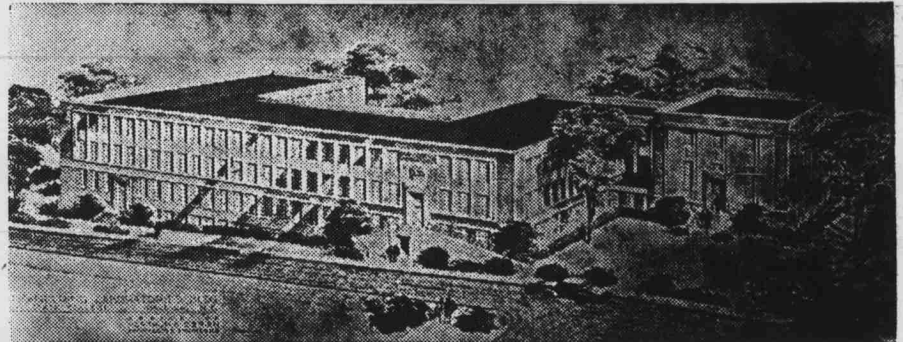
The handbook, published annually, is a campus guide and is distributed to all of the students at State College.

The men were elected to the editorial and business posts by the executive committee of the YMCA and the Board of Student Publications, headed by Dr. Frank H. Jeter.

### Seniors Note

All seniors who wish additional information in regard to their extra-curricular activities published in the Agromeck are requested to supply the information on paper and leave it at the Agromeck office before Wednesday, January 12. If there is no one in the office, drop the information in the slot in the door. Also, any senior who has changed curriculums is asked to leave this information at the Agromeck office in the same manner.

### Engineering Laboratories Building



Pictured here is the architectural drawing of the Engineering Laboratories Building at State College. Contracts for the erection of the structure, calling for the expenditure of \$1,245,151.00, have been awarded to five North Carolina companies. Dean J. H. Lampe of the School of Engineering estimated that the building will be completed "not later than June, 1950." This building will include space for the departments of chemical engineering, industrial engineering, engineering mechanics, and engineering research and will be equipped with the most modern facilities, including television, radar, and frequency modulation apparatus for the training of students in engineering.

### Larry McDade New President of ASCE

On Tuesday Night, December 7, 1948, in the Dining Room of the S & W Cafeteria, Larry B. McDade was installed as president of the Student Chapter of the American Society of Civil Engineers.

In announcing the closed ballot election results, S. Norwood Richardson, retiring president, announced that John J. Collie was elected to the Vice presidency; Richard Joe Davis, secretary; William H. Moore, treasurer; Herbert Brenner, editor of "On The Level"; George H. Andrews, reporter; Carl Lloyd, Assistant secretary; William M. Ingram, assistant treasurer; and J. O. Lithoford, assistant faculty advisor.

#### Program

The program during the evening was climaxed by a picture and talk by Vic Bubas, one of Coach Case's courtmen, on the St. Johns-State Basketball Game of last year.

McDade also, in his acceptance speech, thanked Richardson for the splendid job he did in the past year in handling the society affairs and duties. He expressed extreme confidence that the entire slate of officers would work hard to give the Civil Engineering students a well rounded program of lectures, pictures, and socials.

### Ag-En-Tex Dance First This Quarter

The Agriculture - Engineering-Textile Dance will be the first major dance for this term and of the new year. It is being sponsored by three honorary fraternities representing the different schools. They are Theta Tau, Phi Psi and Alpha Zeta.

The dance will be given at Frank Thompson gymnasium on January 15th from 9 until 12 midnight and will be informal. Tickets will be sold by members of these fraternities and also at the door during the dance. The prices are \$1.25 for stags and \$1.75 for couples.

The history of this dance is short for only once in the past has such a dance been held. However, it is now planned to make it an annual affair. This year Al Millman and the Statesmen will furnish the music.

### Prof. T. C. Brown Is Elected To Office Of National Theta Tau



PROF. T. C. BROWN

National recognition came to North Carolina State College in December as Professor T. C. Brown of the Mechanical Engineering Department was elected to a national office in Theta Tau, national engineering fraternity. Professor Brown was elected Grand Outer Guard at the 17th Biennial Convention of Theta Tau held in Chicago, Ill., December 28-31. Theta Tau has 24 active student chapters in engineering schools throughout the country, in addition to 12 alumni chapters.

Professor Brown is well known to the student body for his active participation in student activities. He is a member of Sigma Chi social fraternity, Golden Chain and Blue Key honor fraternities, Board of Directors of the college YMCA, Pi Tau Sigma, and faculty advisor for the local chapter of Theta Tau.

A native of Kentucky, Prof. Brown received his formal education at the University of Kentucky, earning his B.S. in Mechanical Engineering in 1931 and M.E. in 1936. At State College he earned his M.S. in 1940. Prof. Brown is married and has two children. He was with the U. S. Engineering Club one year, and was associated with the Louis de Cognets Construction Co. in 1932, instructor in mechanical drawing for five years, engineer in charge of construction of the stadium for Ashland, Ky., Board of Education at Kentucky in 1935-36, engineer with Kalter Construction Co. in 1933-34, engineer with Home Owners Loan Corporation for two years.

In 1937 Prof. Brown joined the faculty at State College. Since 1937, he has been consulting engineer for the Atlantic Construction Company, from 1937 to 1946, he has done professional work for special heating problems for Byrd Co., of Raleigh, has carried on research work in drafting problems, and taught courses in drafting, kinematics, machine design, descriptive geometry, and lettering. At this time he is carrying on some research at home. One project may be published in the spring by the College Research department concerning drawing technique in forcing.

(Continued on Page 5)

### Design Faculty To Attend Conference

Dean Henry L. Kamphoefner of the School of Design at State College will be one of the principal speakers at a regional conference of schools of architecture at the University of Virginia in Charlottesville on Saturday, January 22, it was announced today.

Officials of the School of Architecture of the Virginia Polytechnic Institute, who are arranging the program, invited Dean Kamphoefner to participate in the meeting. His topic will be "What Responsibility Can or Should the Schools Assume in Furthering the Professional Education of Men in Practice."

In addition to the State College dean, faculty members from the University of Virginia, Virginia Tech, and the Catholic University of America will take part in the conference.

Other State College teachers who will attend the gathering include Matthew Nowicki, James W. Fitzgibbon, Edward W. Waugh, and Edwin G. Thurlow.

Initiated Into Keramos



Shown here are the newly-initiated members of the State College Chapter of Keramos, national professional society of students of ceramics and ceramic engineering. The fraternity recognizes students who have outstanding academic records and who show promise of making good in industry. The new members are, left to right: Alexander Pechman of Brooklyn, N. Y., Bobby Joyner of Raleigh, Willis C. Moody of Raleigh, Gordon B. Howell of Raleigh, Richard G. Lawrence of Asheville, Newton F. Quinn of Charlotte, John C. Welch of Newell, and Dr. Jasper L. Stuckey, head of the Department of Geological Engineering at State College, who was named as an honorary member.

Former Greek Cabinet Member To Speak in Pullen Hall

Known to lecture audiences throughout America as an authority on international affairs, Andre Michalopoulos, former member of the Greek Cabinet, who will appear in Pullen Hall, N. C. State College Campus, Monday evening, January 10, at 8 P.M., is equally recognized as an authority in the field of cultural criticism.

Mr. Michalopoulos is brought to Raleigh on the Public Lectures Program of N. C. State College, under the sponsorship of the Engineers' Council. There will be no admission charged, and the public is warmly invited to attend this lecture which should be of great interest to everyone who is concerned with the condition of our present-day world.

Mr. Michalopoulos had led a life of adventure. When he was only eleven years old he made an ascent over France in a spherical balloon, and a month later, on October 7, 1908, Wilbur Wright took him aloft in his new fangled flying machine on the first day that a passenger flight was made. The place was Le Mans, France, and the time was 4 minutes, 54 seconds, a record that stood for many months.

He attended university in Greece, France, and England, emerging as an Honor Graduate of Humanities at Oxford University. In 1908 he was appointed Civil Governor of the islands of the Aegean Sea. In 1920 as private secretary to Prime Minister Venizelos of Greece, he made a nine months' tour of the U.S.A., Central and South America. In the winter of 1922-23, he attended the Peace Conference, held in Lousanne, Switzerland, to settle the near Eastern affairs.

After serving as Governor of the island of Corfu in 1924 and 1925, he left public life to manage the Athens Waterworks Corporation, and was connected with the great American irrigation works in Macedonia. He was also actively engaged in the administration of many mining, industrial, banking and outline corporation in Greece at the outbreak of the Greco-Italian hostilities in 1940. When the war was at its height, Mr. Michalopoulos delivered a 15-minute nightly news broadcast in English from Athens, then joined the Greek forces in Crete. When Crete fell, he was dis-

patched to Cairo on official business. In 1941 he arrived in London with the Greek government in exile as Minister of Information, a post he held until 1943. In 1945 he accepted a post as Minister Plenipotentiary for Greece, on a special mission to the United States, but in 1946 he resigned, being out of sym-

pathy with the reactionary government then established in Athens. Since 1946, Mr. Michalopoulos has been writing, lecturing, and broadcasting on international and European affairs, with which his frequent trips to Europe keep him in contact. He has frequently been heard on forums such as "The Peo-

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\$15,000 Appropriated For Clay Research At State

A research program in the field of structural clays has been initiated in N. C. State College's School of Engineering by a group of ceramic manufacturers in North Carolina and the Southeast with an initial appropriation of \$15,000, Dean J. H. Lampe of the School of Engineering announced recently.

Purposes of the program are to improve the manufacturing processes used in the structural clay industry and to develop new products through research. Work has already begun on the first phase of the program, which is to be a continuing investigation of the problem confronting the ceramic industry.

Dr. W. C. Bell of the College's Department of Engineering Re-

search is directing the investigations. A new project engineer, R. J. Smith, formerly with the Borden Brick and Tile Company of Goldsboro, has been added to the departmental staff to conduct the research under Dr. Bell's direction.

The program will be administered by a research committee, representing the sponsoring manufacturers. The committee is composed of John H. Isenhour, Jr., president, Isenhour Brick and Tile Company, Salisbury; G. L. Kendrick, president, Kendrick Brick and Tile Company, Atlanta, Ga; L. D. Isenhour, president, Sanford Brick and Tile Company, Sanford; and W. G. Anderson of the Palmetto Brick Company, Cheraw, S. C.

The Brick and Tile Service, Inc., an organization of North Carolina manufacturers, worked in cooperation with the research committee in making arrangements for the program.

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# ROTC Assigns Twenty-Nine Students As Cadet Officers

Assignment of 29 top-ranking students as cadet officers in the ROTC Regiment at N. C. State College was announced recently by Col. Samuel A. Gibson, commandant of the College's Department of Military Science and Tactics.

E. Preston Andrews, Jr., of Charlotte, a senior in the College's School of Engineering, was appointed as the regimental commander with the rank of cadet colonel.

Andrews' regimental staff includes Cadet Lt.-Col. Charles E. McCrary of Raleigh, executive officer; Cadet Major James B. Sharpe of Raleigh, adjutant; Cadet Major Alfred S. Linthicum of Raleigh, intelligence officer; Cadet Major Irving W. Gower of Greenville, operations and training officer; and Cadet Major Benton K. Partin of Chadbourn, Route 2, supply officer.

Officers of the first battalion are Cadet Lt.-Col. Robert H. Spilman of Statesville, commander; Cadet Major Lawrence H. Miller of Wilkesboro, executive officer; Cadet Capt. Fred Dameron of Bessemer City, adjutant; Cadet Capt. Robert W. Tart, Jr., of Newton Grove, Route 3, commanding officer, company A; Cadet Capt. William J. Day of Casper, Wyo., commanding officer, company B; Cadet Capt. Wade M. Hobson of Winston-Salem, commanding officer, company C; and Cadet Capt. William C. Campbell of Winston-Salem, commanding officer, company D.

Second battalion chieftains are Cadet Lt.-Col. Ralph K. Younger of Burlington, commander; Cadet Major John H. Griffith of Charlotte, executive officer; Cadet Capt. William D. Adams of Raleigh,

adjutant; Cadet Capt. June H. Cheek of Laurinburg, commanding officer, company E; Cadet Capt. Robert J. Dodge of Atlanta, Ga., commanding officer, company F; Cadet Capt. Lloyd E. Tatum of Norfolk, Va., commanding officer, company G; and Cadet Floyd R. Pickett of Raleigh, commanding officer, company H.

Third battalion leaders include Cadet Lt.-Col. Marshall G. Bryant of Winston-Salem, commanding officer; Cadet Major John S. Collie of Goldsboro, Route 1, executive officer; Cadet Capt. Charles N. Reavis of Dunn, adjutant; Cadet Capt. Joseph M. McDowell of Goldsboro, commanding officer, company I; Cadet Capt. Jack T. Tate of Greensboro, commanding officer, company K; and Cadet Capt. Theodore P. Williamson, Jr., of Greensboro, commanding officer, company L.

Officers of the special troops are Cadet Major Henry G. Miller of Hickory, commanding officer; Cadet Capt. Richard L. Hedgepeth of Warrenton, commandant of the band; and Cadet Lt. William M. Jenkins of Charlotte, commandant of the Drum and Bugle Corps.

### Notice, Journalists!

There will be a regular meeting of The Technician staff next Monday night in a reserved room at the Cafeteria. The meeting will begin with the supper being served promptly at 6:00. All members of the staff are urged to be there. Any other student who is interested in joining the staff of the Technician is urged to come by the room at 6:30 to talk to the editor

# Moore Winner N. C. Swift Essay Contest

William Floyd Moore, Jr., son of Mr. and Mrs. W. F. Moore of Matthews and a senior in animal industry at State College, has been declared North Carolina winner of the annual college essay contest sponsored by Swift and Company, R. H. Ruffner, professor of animal industry and dairying, announced today.

The Mecklenburg youth has been awarded a free trip to Chicago to participate in a study of livestock and meats December 5-8. Just prior to that time he was in Chicago to attend the International Livestock Exposition as a member of the State College livestock judging team.

Moore, a former member of the Matthews Future Farmers of America chapter, is vice-president of the Animal Industry Club at State College this year and is a member of Alpha Zeta, honorary agricultural fraternity.

The contest was open to all agriculture students enrolled at State. The essays submitted covered methods employed by the meat packing industry in marketing meats, poultry, eggs, butter, and cheese.

# Mayer Expects Lower Enrollment

State College's winter term enrollment will be around 5,000 students, Registrar W. L. Mayer reported this week.

The college had an enrollment of 5,227 last term. The student body was composed of 49 women and 5,177 men, making State College one of the largest educational institutions in this section of the United States.



WILLIAM FLOYD MOORE

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# Harper Sets National Debating Record

The State College debate team returned to Raleigh recently after winning high honors in a series of direct clash debates at the University of South Carolina.

Floyd Harper of Charlotte, team captain, and Robert Reams of Apex each received votes for national individual ranking in three of the four debates. Three South Carolina students also got one vote each.

The votes for Harper enabled him to set a new American collegiate record for individual accomplishment in direct clash debating, according to Prof. Edwin H. Paget, director of debating at State College.

Paul Fought of Kenosha, Wis., and Saul Weissman of Brooklyn, N. Y., made their debuts as State College debaters on the trip to Columbia. Professor Paget accompanied the team.

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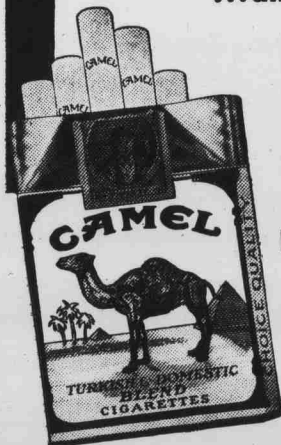
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**Looking Over Last Quarter . . .**

It seems to be the natural thing at the end of a year to look over the accomplishments, disappointments, and any other thing that happened during the previous twelve months. Taking down the Technicians published during the last quarter and turning through the pages, we come to several items which might be worthwhile to recall. We see these headlines. . . .

A large number of faculty appointments, bringing in some outstanding men in all fields. . . . The Military department announced the largest ROTC group since 1940. . . . The new athletic director, Roy B. Clogston, assumes his duties. . . . Freshman football for the first time since the war. . . . Coliseum contracts are let. . . . State-Carolina student leaders meet to curb vandalism. . . . Preparations for Ag Fair in full swing. . . . State loses a heart-breaker to Clemson. . . . Monogram Club picks Miss Wolfpack of 1948. . . . Engineers' Council plans for next year's exposition. . . . WVWP reception is better after considerable summer work. . . . Coble Construction Company signs contract to complete coliseum in 365 working days. . . . Basic Division is revised, with greater service to students expected. . . . Monogram Club holds Homecoming Dance. . . . Athletic Department statement shows \$40,000 deficiency. . . . Part of Trailwood must move to make way for new building. . . . Freshmen are guinea pigs for Navy experiment on learning by radio. . . . YMCA Freshman program is best in many years. . . . Religion In Life Week features Scotty Cowan. . . . Ray Eberle plays for Intrafraternity Dances. . . . Tucker Dorm and PIKA house win decoration prizes. . . . Seven engineering courses are approved by investigating committee. . . . Long awaited basketball season begins. . . . Interfraternity plans for Pledge Dances. . . . Merit rating of instructors is postponed until next term. . . . Soccer is approved as intercollegiate sport. . . . and initiations galore. . . .

There are other things that happened that didn't get into the headlines for one reason or another. One important item is the definite strides made toward establishing an ADULT honor system here. One of the "higher-ups" in the Engineering Department is said to be encouraging the change over from the present system we now have. This is merely one person's opinion, but the present system appears to the editor to be the very same system that he experienced in the elementary grades. It has almost reached the stages of a game when quizzes are given by many of the instructors. The present system certainly does not compliment the students on their honesty and integrity. A student that experienced this system in one of the services' training schools said their quizzes amounted to a cat and mouse game until one morning the professor walked in, gave out the quiz, and said, "Gentlemen, you are on your honor; leave the papers on my desk when you have finished." He left the room, and the student said he was satisfied that there was little or no cheating done on the quiz.

A little idealistic? Yes, but not impossible. It would be difficult to make such an instantaneous change like that here at State. The quizzes would have to be more fair than those given by a lot of the departments. Some departments give too much for a student to do in an hour. To a student, it appears that they want only the "A" students to be able to finish the quizzes, the others must then suffer from lack of time. Yet, the fair thing to do seems to be give a quiz that the average student can finish in the allotted time. Another fault with the quizzes seems to be that a lot of the professors have never yet learned the difference between handbook material and mental material. The blame for cheating cannot be laid wholly to the students. . . .

Two of the social fraternities, Sigma Chi and Lambda Chi Alpha, did one of the most worthwhile things of any of the groups on the campus just before the Christmas holidays. One fraternity went to the welfare department and got the names of children which were not expecting Santa Claus. The other took children from a local orphanage. These children were entertained royally by the fraternity men and Santa Claus. It has been an annual affair with Lambda Chi Alpha, and according to the results of the Sigma Chi party, the boys want it to be annual with them, too. They report it one of the best times they ever had. . . .

Definite steps have been taken to familiarize the student body with the Alma Mater. Some of the activities that have come to light are: The Ag Club opens every meeting with the singing of the Alma Mater, the Interfraternity Council requires it in their initiation, ASME has included the learning of the Alma Mater in its initiation.

**An Open Letter to Professor T. C. Brown**

Dear Prof. Brown,

Congratulations to you on your election to a national office in Theta Tau. Of the men available for election to the position, I am sure that it would have been difficult indeed to have found a more conscientious, more capable, more respected or more deserving man. It would take more space than available to put down the material I have available to prove why I say that.

This letter is an open letter because of all the professors and instructors at State, your work with the students appears to be the most outstanding. On every hand, I have heard accounts of your participation far beyond that expected of you. Students that have worked with you have related how you unselfishly have aided them in student and personal projects whenever it was humanly possible for you to do so. Those who know you personally, and some who do not, have only the highest praise for you.

I wish that it were possible for other instructors to see the joy that you have expressed from your work with the students and the organizations. The students run into a stone wall when they try to elect advisers and honorary members of their organizations, because those who have expressed a student interest are overloaded, the others show their disinterest. It means a lot to students who have become personally acquainted with a professor like you, and know that they can talk to someone who will take a vital interest in their problems.

THE EDITOR

**Letter to the Editor**

Recently at a laboratory meeting, one professor took time out to stress briefly a thing which to possibly all of us has been self evident for a long time, that conspicuous lack of common courtesy, both between students and faculty and between individuals within the separate categories, on this campus. It is seldom that two people on this campus will expend the effort to spare a word and smile in passing, unless the two are acquainted. Proof of more than passive incurtesies is the fact that Dr. Z. P. Metcalf, while opening a door to leave the zoology building recently was faced by three students dashing wildly past him into the building.

No doubt each of us can think of dozens of examples of similiar incurtesies on the campus.

I wonder, indeed, how many students feel free to consult freely with the heads of their respective departments over the important question that occasionally came forth? How many students, and it works equally as well both ways, are accorded due courtesy and an atmosphere of friendliness when they seek such an interview?

The problem is not a phantom one, or one upon which no finger can be laid. It is daily in evidence to those who have not chosen to overlook the evidence. Yet many will attempt to say: "So what! This

is a man's school!" or "You can't find much courtesy among men when no women are around."

What are such answers? Nothing but blind overstatements! What then is the purpose of college training if it is not to fit an individual for his place in the world, and to help him get along with his fellow-man? If State College is to concentrate only upon training expert technicians and to overlook the development of pleasing personalities and a courteous manner, then what advantages does it have beyond a large trade school? Perhaps higher education, but that is all.

How many of us are stirred to resentment when we see our placards "Culture vs. Agriculture" when State College plays other nearby colleges? Yet is it not true? Has not culture been largely overlooked in this institution?

Let us not attempt to place blame upon either the faculty, or students, or elements of either. When a doctor rushes to the aid of a man injured in an accident, he does not waste time trying to determine upon whom the blame falls while the patients bleeds to death, and neither must we. We must seek a cure, even if it is only partially successful.

This courtesy—consciousness must develop within the ranks of both student and faculty. Perhaps the most difficult job will be that of convincing each individual student

**Kappa Phi Kappa Initiates Fifteen**

Initiation of fifteen new members into the Kappa Phi Kappa was held last quarter.

New members initiated last Thursday were: Dr. F. A. Nylund, honorary member, Raleigh; Hobart L. Austin, Kelford; Warren L. Cartier, Green Bay, Wis.; Robert G. Thrower, Rocky Mount; George W. O'Neal, Elizabeth City; Carl D. McDuffie, Raleigh; Charles D. Bryant, Stedman; Jerold H. Dixon, Robersonville; Tommie N. Stephens, Raleigh; Richard W. H. Ramsey, Marshall; Bobbie L. Turner, Bessemer City; Rufus R. Beamer, Rockwell; Robert J. Sutton, Goldsboro; Harold B. Wall, Raleigh; and Jasper V. Sharpe, Reidsville.

Dr. Manford, faculty advisor for the chapter, said that to be chosen a member of Kappa Phi Kappa is an honor and a stepping stone to vast opportunities in the field of education.

The Alpha Sigma chapter of Kappa Phi Kappa, a national honorary education fraternity, was founded at State College April 10, 1931. Its purpose is to promote the cause of education by encouraging men of sound moral character and recognized ability to engage in the principles and practices of education—emphasizing among its members social intercourse, scholarly attainment and professional ideals.

that he needs to develop a certain degree of feeling and consideration for others. Can a student honestly say "If I had wanted culture I would have gone to Carolina, but I want to be an engineer?" Is he thusly attempting so thoughtlessly to say that he will use only his technical training when he graduates and that he will not need to deal with other people? He is only cheating himself when he pays a dear price for his education and then doesn't get that part of it that will help him to be a better citizen.

Of course, discipline and respect of faculty must be maintained. Yet the faculty bears the lion's share of the burden to effect these ends not through gruffness and harshness, but through a more complete understanding of the student and his problems.

Now, what can be done to achieve these ends? Many answers could readily be provided, but only a relative few would serve to solve the problem if carried out. I hesitate to attempt to offer any definite suggestions due to possible criticism, yet someone must take the first step.

1. The construction of a Student Union Building on the campus to provide more wholesome social activity for the students. This could help more students to mingle with each other and with faculty. The "Y" at present is too small to permit the excellent "Y" staff from doing its utmost.

2. During Freshman Orientation Week, give the incoming freshmen a chance to meet the members of the faculty at a special reception, as is done at many other schools.

3. Impress upon all students, through campus publications and organizations that everyday courtesies are an integral part of our college life.

4. Require that members of the administration who are in daily contact with students show an appropriate amount of respect for the rights of the students.

I present this idea as a challenge to every student and every faculty member to think with gravity on the matter and to present, without resentment or bias but only with a constructive attitude, consequent suggestions that might result in an expedient end of an undesirable tradition—that State College men are lacking in courtesy.

Robert M. Reams.

**THE TECHNICIAN**

North Carolina State College



Published Weekly By the Students

Editor-in-Chief . . . . . AVERY BROCK  
Business Manager . . . . . BOB McLEOD  
Managing Editor . . . . . HOYLE ADAMS

Entered as second-class matter, February 10, 1920, at the post office at Raleigh, North Carolina, under the Act of March 3, 1879.

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Subscription Price . . . . \$1.50 Per College Year  
Offices: 10 and 11 Tompkins Hall Telephone 4732

# All-Campus Eleven Announced; Pika's, Welch, Trailwood Place Two Men Each

## Evans, Bridger Again Chosen On Team

By HERB BRENNER

The fraters from Pi Kappa Alpha, the Trailwood team, and ole Welch dorm lead all teams in placing two each on the All-Campus mythical selections. The two PIKA lads that landed on the high honored team were Bridger, who also placed on the team last year; and Winston. Bridger plays in the backfield while Winston is the strong man over the ball at center. The two gridsters from Trailwood are Dillinger at Right Guards and Kelly at the Utility spot. Welch placed one of the finest players on the field this season in the form of Thrower, glue finger-tipped end; his mate on the All-Campus squad was Gibson in the backfield. The only other dormitory man to make the team was Frazier from 1st Becton who assumes the mythical position of Right Half Back in the All-Campus lineup. Frazier placed on the All-Dormitory team last year.

**Evans Places**

The Sigma Chi's landed Willie Evans, their backfield speedster, in the Quarterback slot, and Evans like Bridger is a repeat performer from last year's All-Campus team. The entire team lines up like this:

RE Pickett	Sigma Pi
RG Dillinger	Trailwood
C Winston	PKA
LG Rucker	SPE
LE Thrower	Welch
QB Evans	Sigma Chi
RH Frazier	1st Becton
LH Gibson	Welch
FB Bridger	PKA
Utility Kelly	Trailwood

In the other two mythical selections, the All-Dormitory and All-Fraternity teams, the following players were chosen:

**ALL FRATERNITY:**

RE Pickett	Sigma Pi
RG McManus	K.A.
C Winton	PKA
LG Rucker	SPE
LE Wallner	Sigma Chi
QB Bridger	PKA
RH Evans	Sigma Chi
LH Foreman	SPE
FB LeGrand	Sigma Pi

**ALL DORMITORY:**

RE Thrower	Welch
RG Hancock	2nd Turlington
C Murry	Base. Syme
LG Dillinger	Trailwood
LE Smith	2nd Turlington
QB Frazier	1st Becton
RH Gibson	Welch
LH Vernon	1st Becton
FB Kelly	Trailwood

Although he did not land on the All-Campus team, Bud Foreman placed and placed well on the All-Frat squad. He, also, is a holdover from last year's All-Fraternity and All-Campus team. He was one of the SPE's high totting skimmers who proved to be a priceless position in the backfield of one of the finest SPE team's fielded in recent years.

### Indoor Track

All men interested in going out for indoor track are requested to report to the gymnasium Monday night, January 10, at 8 P.M.

## Trailwood Eleven Captures Dormitory Football Title

By HERB BRENNER

The Trailwood team, champions of the 1948 season in the Dormitory Division swept up the steps to defeat the lads from 1st Becton, and to finish in the most coveted spot in the Dorm race. The 1st Becton crew came in 2nd, followed by 2nd Turlington in third place, and Welch dorm in fourth.

**Champ Series**

The series started for the playoffs back in the first week in December when the Welch crew licked Basement Syme thereby strengthening their grasp, and the 1st Becton team defeated the men from 1st Owen. Then the final stretch saw 2nd Turlington bow to the strong 1st Becton squad and Welch stopped by the big hand of Trailwood. And the results of the next round are shown above.

**Trailwood Stars**

The two big factors in the gallant Trailwood victories were Dillinger, an ever potent linesman and a birthman on the All-Campus crew; and Kelly, another All-Campus member, who played in the backfield for the winners. The Trailwood boys also boasted one of the staunchest lines of the past season which could be a major reason for their splendid outcome. They held a Welch team to five first downs when they met the lads from the ivy clad dorm winning the game by a margin of one first down. Mangum, Powers, Hull, Gouge, Thames, Nolan, Sease, Hill, Deiber, Johnson, and Willard were the other mates of Dillinger and Kelly who proved to the Trailwood opponents that it takes might and speed to come out on top.

**1st Becton's Team**

The second place team, 1st Becton, likewise showed an array of individuals in their splendid team-like performance and really had what many term "a tricky ball club." Their two time All-Dormitory contribution, Frazier, put on a show of football that was time and again fit for a king. And he was well aided by a whole host of his teammates in the fine season's record they posted. Both the Watts boys were outstanding players throughout the season. They played the kind of ball that people talk about long after the game. Hepler and Ben Neal also assisted the Becton team to their second place standing.

**2nd Turlington's Team**

Hancock and Smith lead the 2nd Turlington team to a highly boastful record in the past term of Intramurals. Both of these lads landed on the All-Dorm team and showed throughout the Turlington contests that they had plenty of line marked ability. Hancock stacked up at the Guard position while Smith took care of the flanking duties.

**Welch's Stars**  
Thrower and Gibson, two All-

Campus choices, paced the way for the fourth place Welch team, a team that had high hopes at the end of the regular season of winning the Dormitory crown. There were plenty more players who fared well in the fine Welch victories. Blanchard, stocky and tough took care of the guard spot; Sessoms tallied well on the line also and looked terribly crisp in his driving smashes through the opponents lines when his team played on defense. They also boasted of Sid Credle, who coached, captained, and lead the team on the road to a glorious finish. Credle played high-school ball over in Durham before coming to State and his throwing arm is one of the finest Doak Field has seen in many a day.

### Dorm Volleyball

Vetville, Off Campus, 3rd Syme and Trailwood finished first, second, third, and fourth, respectively, in the Dorm Volleyball series. The ride into the playoffs went like this: 3rd Syme licked Berry, Off Campus defeated 1st Becton, Vetville stopped 3rd Syme, Off Campus won over Trailwood.

Then marching into the contests for the four top spots, Vetville downed Off Campus and 3rd Syme defeated Trailwood.

### Wrestling Tryouts

All members of the wrestling team and aspirants for said game are requested to meet in the Gym Sunday afternoon, January 9, at 2:30 dressed in practice togs. Tryouts for contestants for the meet here on the following Tuesday with Duke will be held. It is urgent that all wrestlers be present at this meeting, according to the manager.

### Professor Brown

(Continued from Page 1)

eign countries. Another project on radiant heating is under consideration. "Drafting Room Practices" published by the Experiment Station of State College is one of his recent publications.

A registered engineer in North Carolina, Professor Brown is Secretary-Treasurer of the Raleigh Section of ASME, member of NSPE, ASEE, North Carolina Society of Engineers, Raleigh Engineers Club, York Rite Masonic Bodies, Hillyer Memorial Christian Church.

## Evans Leads Sigma Chi Through Perfect Grid Season

By HERB BRENNER

The "White Cross" lads from Sigma Chi, paced by one of the finest backfield aces in Intramural history, Willie Evans, nosed out a determined Sigma Pi outfit to capture the 1948 edition of the Fraternity Football Championship. In a playoff as thrilling as any college spectacle, three quarters went by without a score, but then in the final period, Ralph Stout, diminutive backfielder from Greensboro paced 20 yards to score and give the "Sweethearts" a 6-0 win. The season's result: the Football Crown, but even more glorifying was the fact that the Sigma Chi's held 7 opponents scoreless while racking up 119 points themselves and there were no ties. *Undeclared, unscored upon, untied, . . .* and with this you have the most splendid record of any Intramural team in State's history.

Coached by Former Letterman They were coached in their march up the ladder by Bruton Fitzgerald, a former Wolfpack gridster back in '43. Fitzgerald is a senior this year, majoring in Textiles, and has had a large hand in developing one of the finest teams ever witnessed on ole Doak Field.

**About the Chi's Players**

On the field in those seven trying games, the Sigma Chi's used a line that averaged close to 195 pounds, with a backfield as shifty and tricky as the pros themselves. They produced in the amazing Willie Evans a runner unsurpassed in this past season of play. Evans last year won the dash events in Fraternity Track Meet, and is one of the Big Red's outstanding diamond players on the Baseball field.

Tex Wallner, their other representative to the All-Fraternity team, this season was one of the

most dependable ends in their starting lineup, and as good always on defense as well as he was on the offensive drives by the "champs". In operating from their "Double Wing" setup, Ralph Stout, former Greensboro High Football ace, shoved around those flanks with some high stepping running. He together with Evans really packed plenty of offensive push. Stout was in there all the way and without a doubt deserves the pat on the back in the Chi's final contest with the Sigma Pi's; for in that game it was his superlative ability that closed the game with another victory.

Then there was Shepherd, Howard, Coleman, and Ligon who made up the remainder of the Sigma Chi's team.

**Sigma Pi's 2nd**

The Sigma Pi's, as a result of their loss to the Sigma Chi's, moved to second place after finishing one of their greatest seasons in football. Probably their largest stand-out was tall George Pickett who was one of the finest flankmen of the past season.

The PIKAS finished third after defeating the SPE's 6-0 under the lights in Riddick Stadium on Play-off night. They dropped all the way from the 1st place position they have held for so long to a still impressive third spot, but their ever fighting determination will always remain as they move on in their fight for the Intramural Cup.

### Agromecks Available

There are still some of the 1948 Agromecks available to those students who paid for them last year and did not pick them up. Anyone still desiring his Agromeck is urged to come by the Agromeck office as soon as possible.

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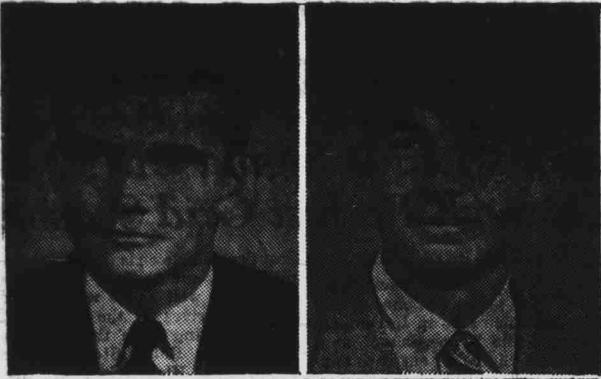
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Pictured here are the newly-elected officers of the Agricultural Club, official student organization of the School of Agriculture. Top row, left to right: James K. Butler of Windsor, Route 1, president; and George Sledge of Nashville, Route 2, vice-president. Bottom row, left to right: Harry Prevett of Statesville, treasurer; John Collins of Troutman, Route 1, reporter; and Arthur Mackie of Yadkinville, secretary.

Statistics Institute Praised By Graham

The Institute of Statistics of the Consolidated University of North Carolina, with headquarters at State College, is a world center for research and education in statistics and is gaining an international reputation for its accomplishments, Dr. Frank P. Graham, president of the University, said in a talk here recently.

Dr. Graham told 150 representatives of business, commerce, science, and education that the Institute "is a focus for the all-University coordination of post-doctoral teaching, research, and the application of statistics in education, medicine, biology, agriculture, engineering, textiles, home economics, chemistry, physics, psychology, the social studies, business, and industry."

He reported that the Institute is cooperating with the U. S. Navy, the Army, the Air Forces, the Oak Ridge Institute of Nuclear Studies,

the U. S. Department of Agriculture, and other agencies in meeting many of their problems and in outlining future objectives.

The Institute, he stated, is already engaged in a wide variety of functions in experimentation and teaching at State College and at the University at Chapel Hill, and plans have been made to expand its services to the School of Home Economics at the Woman's College.

Grants from the General Education Board and from R. J. Reynolds, Jr., an alumnus of State College, made the establishment of the Institute possible, he explained.

Some of the foremost statisticians in the world are now working on the staff of the Institute, Dr. Graham said, and he called upon the audience to give their full support to the program.

"The Institute," he said, "is called upon to throw light upon the problems and plans of school administrators, homemakers, farmers, business men, professional leaders, social workers, industrial workers, and consumers."

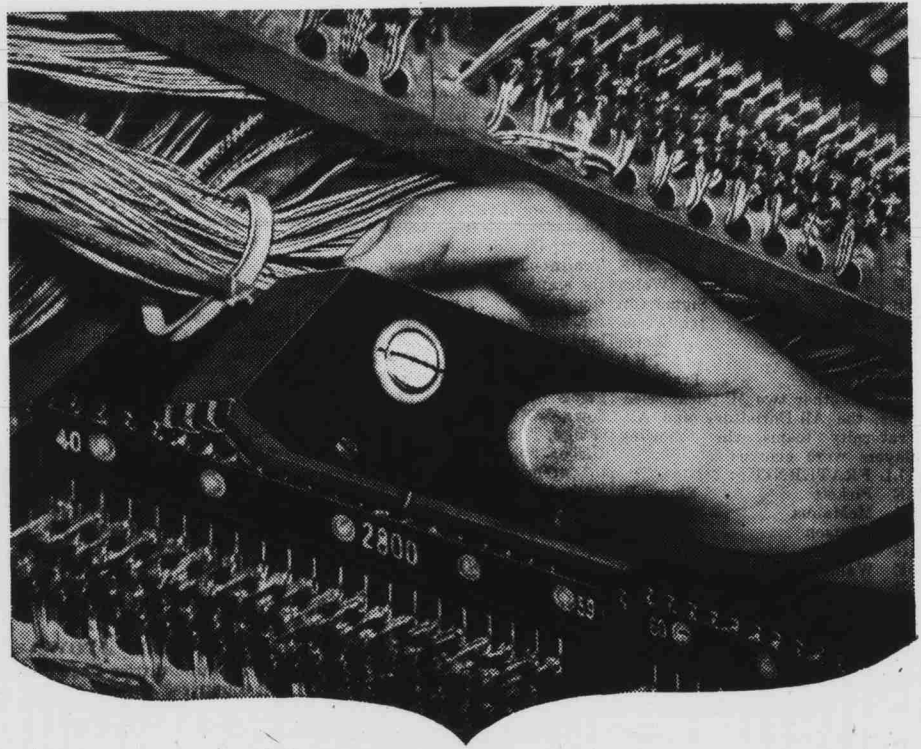
The work of the Institute, now

using the facilities of State College and the University at Chapel Hill, may soon be re-enforced by a cooperative plan with Duke University and will thus be able to extend its services to a larger group of the people of the State, Dr. Graham said.

The organization, President Graham declared, may point the way to higher living standards and "a more noble civilization" for the State.

Prof. Gertrude M. Cox, director of the Institute and head of the Department of Experimental Statistics at State College, told of the consultant work of her office and reported that she now has 80 staff members, who are engaged in teaching, research, and administrative procedures.

She said the Institute is now working on experiments in textiles, meats, poultry, public health, horticulture, cotton production, and the influence of radioactive materials on plant growth.



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Devil Take The Hindmost

A discussion on the curve; its shortcomings at LSU.

We seem to be in line for another try at the honor system soon. So far, we don't know what form it will take — but the Student Council promises a system.

The system proposed by Honor Court Chief Justice Robert Vandawork two years ago was voted down almost two to one by student ballot. However, the future is always the future and a new and more acceptable proposal may mean a new vote.

But, we are fond of system here at LSU. So, it's "logical" that if we're to defeat one time-honored system that we have another to take its place.

Perhaps it's a common policy at other universities to award A's to the top 9 or 10 or 11.5 per cent of the class and scale it so that 75 per cent are in the C-nearly-B and C-close-to-D sections. Then we must have about the same number of F's and A's for the sake of symmetry. If that's the way the thing's done in Texas and New York and Mississippi, we're riding tandem with Mr.

and Mrs. Jones.

Crudely (any competent word-twister can make the above sound pretty good), this is the curve, or majority-in-the-middle-and-devil-take-the-hindmost system.

In certain courses there is little left for the instructor but to use some form of the curve because of the size of the class. It would be literally impossible for the teacher of a beginning psychology or history course to know the student's capabilities other than through his examination papers. More's the pity.

And we may say that the grounds for the curve exists because our classes, in many cases, are too large. The solution for this, in a state-endowed university, is hard to realize. Like too many other needed solutions, this may be a thing of the future.

Whether the instructor conscientiously grades on the curve or not, the system has become operative in the grading thoughts of some who abhor the idea.

The curve is the system of comparative grades—our ability to memorize is stacked against the same ability in other students.

—The Daily Reveille of LSU.

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## Lampe Urges N. C. Industries To Hire State Graduates

North Carolina industries were urged recently by Dean J. H. Lampe of the School of Engineering at State College College to review their personnel needs for 1949 and to consider the employment of an increasing number of the engineering graduates of the college for work in the State.

In a letter to 966 industrial enterprises, Dean Lampe noted that a considerable number of positions for technically trained men were unfilled last year and that new industries and businesses are being established here, and he invited industrial representatives to visit the college and to interview members of this year's graduating class for jobs in their plants.

Urging the industrialists to arrange their interviews early in the new year, Dean Lampe said that large national industrial and engineering organizations already are "showing an interest in this year's seniors," but he added that it is "to the economic advantage of our industries and to our State at large" to employ the engineering graduates in North Carolina.

He reported that 571 seniors will graduate in the College's School of Engineering during the current academic year. Twenty-six of these students will complete their work on December 16, the end of the current school term, and an additional 39 will finish their work on March 19, end of the winter term. The June graduating class will include a total of 506 engineering graduates.

Included in the list of graduating students will be ceramic, chemical, civil, electrical, geological, industrial, and mechanical engineers. The group also will include graduates of the engineering-general curriculum, a field of study which stresses economic values and a broad concept of the production and personnel needs of industry, along with fundamental engineering training.

Dean Lampe sent his appeal to electrical contractors, members of the North Carolina Branch of Associated General Contractors of America, city managers, State departments, the Carolina Road Builders Association, power and light companies, plumbing and heating contractors, telephone companies, and manufacturing and miscellaneous establishments.

In his letter, Dean Lampe offered his full cooperation in arranging the student interviews and in providing conference rooms for the visiting industrial representatives.

During the past few years a larger percentage of State College engineering graduates have found employment in North Carolina.

## Society Honors State Professor



The State College Chapter of Delta Kappa Phi, national professional textile society, recently honored Prof. Albert H. Grimshaw (center), a veteran member of the faculty in the College's School of Textiles. A large portrait of Professor Grimshaw as shown above was presented to the School of Textiles by the society during a formal ceremony. Tom Scott of New Bedford, Mass., (left), president of the society, made the presentation, and Dean Malcolm E. Campbell (right) accepted on behalf of the school. Professor Grimshaw joined the college faculty in 1925 and is known nationally for his work as an educator and scientist.

## Four Graduate At Morehead City T. I.

Four students of the Morehead City Technical Institute, a branch of State College, received certificates on December 17 for completion of the one-year general technical course, according to an announcement made today by Paul B. Mitchell, director of the Technical Institute.

Students receiving certificates for completing the training are as follows: Linwood Lewell Ballard, Jr., Kinston; Rom Omega Hill, Kinston; Harold Donald Ketterer, Reading Pa.; and William Filmore Stroud, Old Fort.

The four graduates are the second group of students to graduate from the technical institute, Director Mitchell stated. Twenty-seven students were graduated in August and are now employed by production industries requiring men with technical training.

Pre-Christmas activities at the technical school, which is located on Bogue Sound, included a Christmas party in the Recreation Center

## Pappas To Get New Textile Scholarship

Chris Pappas, Jr., of Charlotte, a 25-year-old Navy veteran, has been awarded the newly-established Owens-Corning Fiberglas Corporation scholarship in the School of Textiles at State College, Dean Malcolm E. Campbell announced today.

Selection of Pappas for the award was made by company officials after a series of competitive examinations and personal interviews.

Pappas began the study of textiles after a four-year tour in Navy destroyers and minesweepers had interrupted his work as a senior in electrical engineering at Georgia Tech. He is a graduate of Central High School in Charlotte.

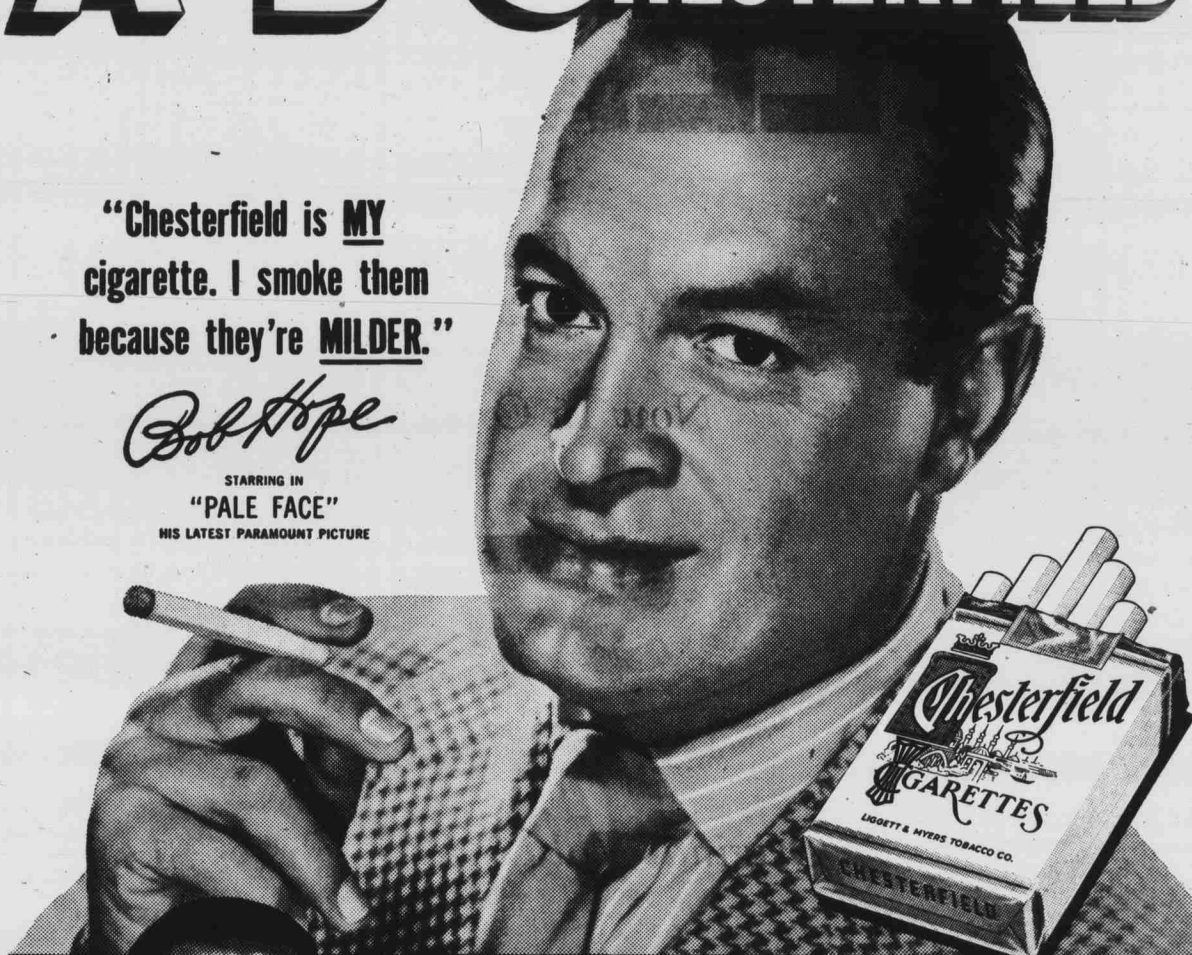
of the school. The "Persuading Five", a quintet from Morehead City, entertained the students.

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