

The Technician

Published Weekly by the Students of N. C. State College of Agriculture and Engineering

Vol. IV, No. 28

STATE COLLEGE STATION, RALEIGH, N. C., MARCH 28, 1924

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BUILDING PROGRAM AT STATE COLLEGE

One Million Three Hundred and Fifty Thousand Dollars To Be Spent At State During Next Year

Three new buildings with an aggregate cost of nearly \$700,000 are under construction at State College under a building and permanent improvements program that calls for a total expenditure of \$1,350,000 during the next year.

The Southside Dormitory was the first contract awarded out of appropriations made by the last General Assembly. Ground was broken for the building early in the fall, with Joe W. Stout & Co., of Sanford, handling the general contract for its construction. It will be completed within the next two months. Located south of the railroad tracks in the new part of the campus which will be developed in this section, the dormitory, when completed, will accommodate 200 students. It is of thoroughly modern steel and concrete fireproof construction, three stories in height, with a faced-brick exterior. Embodying the latest improvement for this type of construction, including built-in furniture, it will provide excellent rooming facilities for the students. The cost of the building will be about \$165,000.

The Gaskill Construction Company, of Wilson, was the successful bidder for the Frank Thompson Gymnasium. The contract was let early in the winter and the structure will be completed by August 1.

Erected at a cost of \$207,500, with the equipment totaling nearly \$50,000 additional, the gymnasium will compare favorably with any similar structure in the South. It was planned after an exhaustive study of buildings of this kind, and it will be a fitting home for the reorganized department of physical education and athletics. The floor proper will be large enough for five practice basketball courts with a varsity court in the center. With auxiliary seats arranged along the walls nearly four thousand spectators may be accommodated at indoor sports. The gymnasium is also located south of the railroad adjacent to the new recreation field.

The new library, upon which work has just started, will be one of the most beautiful buildings on the campus. Building and equipment will cost \$265,000. Joe W. Stout & Co. are the contractors. Of fireproof construction throughout, the exterior will be of faced brick, marble trimmed. The interior will be finished in marble. In addition to a large reading room, accommodating 125 persons, there will be the usual office space for the library personnel, and stack room facilities to take care of more than 200,000 volumes. On the second floor there will be a large lecture room, four seminar

(Continued on Page 3)

MAGNA CHARTA OF OUR AGRICULTURAL AND INDUSTRIAL FREEDOM

Under a Reorganized Plan of Instruction State College Exhibits Thirty-five Major Professions or Vocations

State College men will be interested in the plan of reorganization which has been worked out for the instructional side of the College by President Brooks and members of the faculty. Adopted unanimously by the Board of Trustees, the report is one of the greatest state papers to be published in the last quarter of a century. It is the Magna Charta of our agricultural and industrial freedom, for under the new plan the college now exhibits a picture of thirty-five major professions or vocations which are essential to agricultural, industrial and social progress in North Carolina.

In reorganizing the entire instructional work of the college, the administration has been guided by the one fundamental idea, namely, that students upon entering should be directed to elect a profession, or a vocation, and not a given number of credit hours which could be counted towards graduation. The work, however, is arranged in such a manner that a student may

transfer from one vocation to another with the least possible lost motion.

The professional or vocational aims of each school may be stated as follows:

The School of Agriculture

The purpose of the School of Agriculture is threefold: (1) To secure through scientific research, experimentation or demonstration, accurate and reliable information relating to soils, plants and animals, and to secure from every available source reliable statistical, technical and scientific data relating to every phase of agriculture that might be of advantage to our State; (2) to provide instruction in college for young men who desire to enter the field of general agriculture, or who wish to become professionals in agricultural education, or specialists in any field of science related to agriculture; and (3) to disseminate reliable information through publications and

(Continued on page 4.)

BEATTY REPRESENTS STATE AT GREENSBORO

Delegates From All North Carolina Colleges Present at the "Stay-in-School" Meet

Under the auspices of the Greensboro Y. M. C. A., a representative from every college in the State met at that city on Thursday and Friday of last week to conduct a "Stay-in-School and Go-to-College" movement in the public schools of Greensboro. P. C. Beatty, president of the student body and captain-elect of the 1924 Wolfpack, represented State College at this meeting.

On Thursday morning a representative was assigned to each school for the purpose of making chapel talks to the students. A luncheon was served for them at one o'clock and at 3:30 that afternoon they were called upon to play a basketball game against the Hi-Y team, of Greensboro. The latter were victorious by a score of 40 to 16 but Beatty was the star of the vanquished visitors, being responsible for ten of their points.

Each representative made a chapel talk at a different school on Friday morning and conducted the exercises at these assemblies. At a meeting later in the day, they told what they were doing for their college. That afternoon the Hi-Y boys carried them on a sightseeing tour over Greensboro. This was very much enjoyed.

From all accounts, the girls' colleges were not neglected, but received their full share of visits from the representatives.

During their visit, these men were the guests of the Civitan Club of Greensboro.

H. E. MILLER ADDRESSES CHEMICAL SOCIETY

Head of the Department of Inspection and Engineering Speaks on Municipal Water Supply

Mr. H. E. Miller, Head of the Department of Inspection and Engineering, State Board of Health, gave an interesting talk on "Municipal Water Supply" before the Berzelius Chemical Society Tuesday night. He traced the growth of municipal systems from the small inefficient plants of 1900 to the present-day plants. He told of the laws passed during this period that control water supplies. He said that real work on water control in this State began in 1921, and that since then water systems have kept pace with other developments in the State.

Mr. Miller told of the developments and principles applied in modern plants. He drew diagrams of coagulating and settling basins, and sand filters used in the purification of surface water. He then explained in detail how these units are operated in obtaining the best results. He stated that sand filtration was a very much misunderstood process, not understood even by some engineers.

He said that almost all raw water in North Carolina and all water in city mains was slightly alkaline, made so because acid water corroded boilers and plumbing.

He stated that chlorine and calcium hypochlorite were used in mountain water as a final check against bacteria, not because bacteria were commonly present. He also explained the fact

(Continued on Page 3)

PINE BURR RECEIVES FOURTEEN JUNIORS

The List Includes Men From All Departments; Double the Number Initiated Last Spring

Calvin Brooks Bennett, Textile Engineering; Leroy Argus Brothers, Civil Engineering; Levi Lamson Hedgepeth, Chemical Engineering; Clyde Roak Hoey, Mechanical Engineering; Oswald McCamie House, Textile Engineering; Floyd Eugene Lutz, Agriculture; Romie Lee Melton, Electrical Engineering; Ralph Harrison Raper, Business Administration; Kenneth Mackenzie Urquhart, Chemical Engineering; Samuel Rossiter Wallis, Agriculture; James Edward Webber, Textile Engineering; Larry Alston Whitford, Agriculture; Archie McFarland Woodside, Agriculture; George Williamson Wray, Electrical Engineering.

The annual initiation of the Pine Burr Society was held in the Y. M. C. A. banquet room Wednesday night at 7:30. At this time fourteen men from the Junior Class took the oath of membership. These men, representing every course given at the college, were selected because they had attained an average grade of 85 or higher for the two and one-half years of college work and had been engaged in some form of college activity.

In addressing the initiates on the purpose of the society, Professor Har-

(Continued on Page 3)

NOMINATING COMMITTEE MAKES REPORT FOR Y. M. C. A. ELECTION

Nomination of Officers Made by the Committee and Date Set For Election

The nominating committee of the Y. M. C. A., composed of W. S. Morris, chairman; H. D. Hamrick, J. E. Britt, C. D. Faucette, C. R. Hall, P. C. Beatty, C. L. Walton, R. H. Scott, P. T. Dixon, E. L. Cloyd, and E. S. King wish to make the following report of that committee which met Wednesday noon with a full attendance. The men that were nominated were carefully considered by the committee and it is urged that the student body investigate the men for whom they would like to vote before the time of the election.

The men that were nominated are as follows:

For President: L. A. Brothers, S. R. Wallis, H. M. Bremer, R. H. Raper.

For Vice President: Those men who were nominated for President but not elected.

For Secretary: J. E. Griffith, J. P. Shaw, H. W. Taylor, E. O. Moody.

For Treasurer: F. L. Tarleton, R. J. Peeler, J. M. Potter, E. A. Davis.

The date of the election was set as April 2, 1924, in the auditorium of the Y. M. C. A.

The Technician

Published weekly by the students of the North Carolina State College of Agriculture and Engineering.



Member North Carolina Collegiate Press Association.

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

SUBSCRIPTION PRICE:

TWO DOLLARS PER COLLEGE YEAR

Our advertisers were solicited with the purpose of putting before you dependable shopping points. Remember this, and feel perfectly safe in guiding your shopping by The Technician.

Editorials

Spring football practice has started, and taking as an index the number of men that have reported for duty, it is very likely that we will have a wonderful amount of material from which to pick the team for next year. We are glad to see "Fighting Cleve" Beatty out for practice.

The list of nominees for the various offices is posted; look it over and decide who will serve best. Boost your candidate and let's have a great election. It is one of your fundamental privileges to vote in these campus elections, and when you fail to express your choice, you fall just that far short in appreciating what your presence in college means to you.

Surely spring has come to stay with us now: the baseball team is working hard every afternoon and we are looking forward with a great deal of joy to the opening game of the season; the track aspirants are on the cinder path and the warpath too, for their schedule this year includes some strong teams and they will have to put out to be in shape for their opponents.

Committees of the various technical engineering societies are working out plans for a big engineering exposition, to be held before the Easter holidays. The Departments that are planning to take part in this exposition are very enthusiastic over the show and they are looking forward with a great deal of interest to the date of the exhibition. We wish the committee success to the

Nth. degree and offer our help in every way.

Rules governing the award of the P. D. Gold Medal are posted on the various bulletin boards on the campus and every student is urged to read the requirements for the medal and make an effort to win the medal by graduation. It is hoped that considerable interest will be manifested in this award. It is a noble prize and one which the winner should be justly proud to claim. For further information concerning the medal see Mr. Tal Stafford in the Administration Building.

In choosing the man who will head the work of the Y. M. C. A. let's put the man in office that has the work of the "Y" at heart and one who will give the necessary time and energy to the great work that is connected with the office. The presidency of the Y. M. C. A. on our campus is one of the biggest jobs that any student can hold. The "Y" does a wonderful work among the students here and the man that heads the activities will determine, in a large measure, the usefulness of the Y. M. C. A. to the student body. We therefore owe it to ourselves to put the man in office that will really work and make the "Y" mean all that it is capable of meaning to this institution.

Election time is here. Already there has been some *politicking* for the offices that are yet to be filled. With *The Agromeck* and *THE TECHNICIAN* staffs elected for next year, the two big elections of the season now face us. Who will head the Student Government and who will reign at the Y. M. C. A.? These offices are ones to which the best men on the campus should be elected. If the institution of Student Government is to live on our campus it must have at its head a man who believes in *STUDENT GOVERNMENT* himself. In the selection of the president of this great campus institution the greatest care should be exercised and all petty prejudices laid aside, in order that the best man might be elected.

THE COLLEGE CALENDAR

(March 31-April 5)

| Sunday | |
|---|--|
| 1:30— | Friendship Councils meet. |
| Midnight— | TECHNICIAN Beauty Contest ends. |
| Monday | |
| 12:00— | TECHNICIAN Staff meets. |
| 6:30— | Bible Study Leaders meet. |
| Tuesday | |
| 6:30— | A. S. C. E. meets. |
| 6:30— | Ag Club meets. |
| Wednesday | |
| Varsity Baseball Team plays Elon at Raleigh. | |
| Freshman Baseball Team plays Raeford National Guard at Raeford. | |
| 6:30— | Bible Study Classes meet. |
| Thursday | |
| Freshman Baseball Team plays Raeford National Guard at Raeford. | |
| 6:30— | Poultry Science Club meets. |
| Friday | |
| 12:00— | Y. M. C. A. Cabinet meets. |
| Baseball Team plays Guilford at Raleigh. | |
| 6:30— | Literary societies meet. |
| Saturday | |
| 1:30— | Freshman Baseball Team plays Mars Hill at Raleigh. |
| 3:30— | Track Team meets V. P. I. at Raleigh. |

SOME GOOD WORDS FOR THE TECHNICIAN

The following letter was received a few days ago from the Student Secretary of the Southern Region of the Y. M. C. A. Perhaps you will be interested to know how The Technician is regarded by some of the Southern men.

Atlanta, Ga., March 11, 1924.

MR. W. S. MORRIS,
Editor The Technician,
State College Station.

Dear Mr. Editor: I have been enjoying The Technician all this college year, even though I scan it only very hurriedly. I receive many Southern College papers, and have a good opportunity to compare their general effect on the reader, and after glancing over your March 7 issue am constrained to say to you that The Technician is one of the very best college papers coming to my desk.

Judged by the tone of its editorials, the range of interest in its columns, the mechanical make-up, including its size and shape and even by its advertisements and its jokes, The Technician gives evidence of a real influence toward good sportsmanship, good morals, good scholarship, and good fellowship at N. C. State.

I congratulate you heartily, Mr. Editor.

Very sincerely yours,

J. W. BERGTHOLD.

I enjoyed "Down with the Kukoos."

ALPHA ZETA INITIATION

Alpha Zeta Fraternity held its annual spring initiation March 7. The following men were initiated: T. B. Lee, '25; J. G. Weaver, '26; R. E. Black, '26; H. W. Taylor, '26.

Alpha Zeta is an honorary agriculture fraternity with a scholarship basis. A man is only elected after the completion of one and one-half years of a regular four-year course in agriculture. His scholastic record must place him in the upper two-fifths of his class; he must have taken part in student activities; and show qualities of leadership. Every man whose scholastic record makes him eligible is carefully considered by a student and a faculty committee.

Leadership in agriculture does not consist solely in scholarship. Leadership is developed largely in the contact and competition with other men, in the promotion of friendships and in the co-operative efforts of bands of men bound by common interests and congenial personalities. When such bonds are formed between men of outstanding scholarship and when such bands of men co-operate for the best all-around development of their members the maximum forces for such development are put in motion. Alpha Zeta does not compete with the social fraternities, but it believes in and fosters true fraternal spirit, the brotherhood of men.



OVERHEARD IN THE HAT SECTION

Finchley: "What made the customer walk out? Did you insult him?"

Salesman: "I don't know. He said he wanted a hat to suit his head, and I showed him a soft hat."

The TECHNICIAN WANT ADS

CLASSIFIED RATES

This size type (6-pt.).....1c per word
This size type (10-pt.)...2c per word
Minimum charge.....15 cents

Classified advertising must be paid for in advance.

Copy must be in THE TECHNICIAN Office by 12 o'clock Wednesday.

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SUMMER POSITIONS FOR STUDENTS

Students to work in the interest of Religious Education in the Home and to Distribute Religious Literature. Definite guarantee of a liberal amount with opportunity of earning several times as much. Last summer several students earned over \$1,000 during vacation. No capital nor experience necessary. Also opportunity to travel and appoint representatives. Write for full particulars and organization plan at once. Address:

UNIVERSAL BIBLE HOUSE
College Department
1010 Arch St. Philadelphia, Pa.

Masculine voice: "Please!"
Feminine Voice: "Nope!"
"Aw, come on, be a sport."
"Nope."
"Aw, please, just once."
"POSITIVELY NO!"
"Aw, gee, mom, all the other fellows are going to wear longies 'n I always have to look like a kid."—Ex.

Charlie: "He calls her 'Revenge' and she calls him 'Vengeance.'"
Rosalie: "Why?"
Charlie: "Because Revenge is sweet and Vengeance is mine."—Ex.

BE A NEWSPAPER CORRESPONDENT

Would you like to earn money evenings and in other spare time corresponding for newspapers?

With a definite plan that enabled me to earn more than \$2,000 a year when I was a very young newspaper man, I will show you how to do the work, and you may begin at once. This will involve no canvassing—no waiting on customers—no drudgery. Subjects will be suggested, if desired; and you may earn while you learn.

With the plan I mentioned I have made more than \$300 in a single week, and I should like to tell you more about it.

V. D. Ringwald, one of my boys in Texas, writes. "I made \$30 the very first day. I am twenty-two years of age and earning about \$400 a month.

Arthur H. Steward, Illinois, writes: "I have made more money in spare time than I have been able to earn in my regular position, and I am now going to devote all my time to this work."

There is money in newspaper corresponding if one knows what the big newspapers want.

An interesting free booklet, "A Straight Talk to Prospective Newspaper Correspondents," will be mailed to you immediately upon request. Ask for booklet No. 22.

Write me today, and send your letter in this evening's mail. It will receive prompt attention and may lead to an important turning point in your life.

Wm. A. Heacock, Managing Director, Newswriters Training Bureau, Buffalo, N. Y.—Advertisement.

Pine Burr Receives Fourteen Juniors

(Continued from Page 1)

relson said: "You are becoming a part of the best organization at State College. It is best because its energy is not directed toward the upbuilding of a national society, but wholly toward the promotion of the best things for the North Carolina State College."

After the completion of the initiation ceremonies, the group was seated at a table where a delightful spread was served. As toastmaster, President Hamrick called on one member from each group represented for a speech. Speaking for the alumni, A. M. Fountain declared that one did not fully appreciate what his college meant to him until he had left it. Dean Cloyd, representing the faculty, compared the distinguished and the mediocre student and their chances for success in life. Prof. W. H. Browne spoke for the non-alumni faculty members, ending his speech by distributing edible pine seeds. Buck Morris, in a few well-chosen remarks, congratulated the new members on the honor they had won and urged them to continue their efforts in the class room and in college activities. R. H. Raper responded for the juniors, expressing their appreciation for being elected to membership in the Pine Burr Society.

Building Program at State College

(Continued from page 1.)

rooms, and a research and reference library.

Plans for Southside Dormitory, the Frank Thompson Gymnasium, and the library were prepared by Hobart Upjohn, of New York City.

A new and greatly enlarged power plant will be the next major contract awarded in the building program. Plans are being prepared by J. E. Sirrine & Co., of Greenville, S. C. Construction on this \$200,000 structure will be rushed to completion by the opening of college next fall.

To connect the development south of the railroad with the older part of the campus, an overhead steel and con-

crete bridge will be built during the summer at a cost of about \$15,000.

Under the supervision of Warren H. Manning, landscape architect, of Cambridge, Mass., the State College campus is being made over. The whole area has been mapped, with new driveways and walks laid out and a planting scheme indicated for trees and shrubbery. Definite areas have been set aside for all buildings to be authorized in the future.

Other buildings to be erected under present plans include an addition to Tompkins Hall, the textile building, another dormitory, a science building, a building to house the entire department of animal industry, including dairy manufacturing, and a residence for the president.

H. E. Miller Addresses Chemical Society

(Continued from page 1.)

that under ordinary conditions filtration completely purified water and that to this water chemicals were added only as a check against mechanical and human factors that might fail.

"The plants in this State operated under scientific control are run by: Chemists, civil engineers, chemical engineers, and sanitation engineers, with the odds on civil engineers, especially in small plants," said Mr. Miller.

He said, "knowledge of engineering, chemistry, and bacteriology is essential to the proper operation of a purification plant." He said that untrained operators could manage a plant under normal conditions, but under unusual problems and circumstances trained men were necessary. Mr. Miller then described opportunities open to men who care to follow water purification work.

After his talk was completed Mr. Miller asked for questions, and, in replying to queries, described sewerage problems and disposals, which were related to water supply.

The school paper is a great invention. The school gets all the fame, The printer gets all the money, The staff gets all the blame.—Ex.

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BERWANGER'S
Yarborough Hotel Bldg.

His Part

Boss: "Well, Sambo, I hear that you have been dealing at that bucket shop; were you a bull or a bear?"

Sambo: "Well, sub, boss, it 'pears lak ah was jus' a goat."—Mercer Cluster.

Coming to Naught

Prof. (after a long-winded proof): "And now we find that x equals o." Sleepy Stude: "—! All that work for nothing!"—Exchange.

"Come to The Vogue First"

VOGUE

VOGUE SUITS ME
RALEIGH, N. C.

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The College Inn

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Opposite 1911 Dormitory.

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That's what you get when you ask for Velvet Tobacco. Remember—aged in wood.

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THE NEW LIBRARY

Magna Charta of Our Agricultural and Industrial Freedom

(Continued from page 1.)

through extension agents, and a wise use of this information, to give instruction to the agricultural workers of the State in the scientific, experimental and practical progress in the various lines of agriculture.

All effective instruction in agriculture is based on research and investigation, and the curriculum is organized so that not only the subject-matter for classroom instruction and extension work may be drawn from research, experimentation and demonstrations, but that students themselves will have the opportunity during their college careers to work under the direction of research specialists.

There are in addition to the Experi-

ment Station and Extension Agents, four general groups or programs of study: (1) General Agriculture, (2) Animal Industry, (3) Horticulture, and (4) Poultry, but in addition to these four major administrative divisions, each representing a great outstanding phase of agricultural enterprises of the State, the courses in each, together with the supporting courses from the other schools, are arranged with definite vocational aims in view as follows: (1) Agronomy, including Farm Crops, Soils, Plant Breeding, Farm Machinery; (2) Agricultural Economics, including Farm Marketing, Farm Management, and Rural Sociology; (3) Animal Husbandry, including Animal Diseases, Animal Industry, Animal Nutrition, Dairy Production and Dairy Manufacturing; (4) Botany, including Bacteriology, Plant Physiology, Plant Diseases; (5) For-

estry; (6) Horticulture, including Pomology, Floriculture, Landscape Gardening, Truck Farming; (7) Poultry Science, including Poultry Diseases, Poultry Breeding, Poultry Feeding and Management; (8) Zoology, including Genetics, Entomology and Animal Physiology.

The aim of these courses is to pro-

vide thorough training for young men wishing to enter one of the following vocations:

(1) General Farming and Farm Management; (2) Stockraising and Dairying; (3) Orcharding and Trucking; (4) Poultry Raising; (5) Beekeeping; (6) Florists; (7) Landscape Gardening; (8) County Extension Agents; (9) Extension Specialists; (10) Experiment Station Workers; (11) Agricultural Specialists in Foreign Fields.

Students electing to become teachers of Agriculture will find their basic work in this school, but their professional guidance will be determined by the Department of Vocational Education in the School of General Science.

The School of Engineering

The purpose of the School of Engineering is threefold: (1) To train men for professional service in Architectural, Mechanical and Textile Engineering; (2) to aid in the development of our commerce and industries through research and experimentations; to open up our undeveloped natural resources and demonstrate their value to the people of the State; (3) to co-operate with State and municipal organizations for the purpose of improving our public utilities, and with commercial and industrial corporations through scientific research with the aim of increasing technical skill,

(Continued on page 5.)

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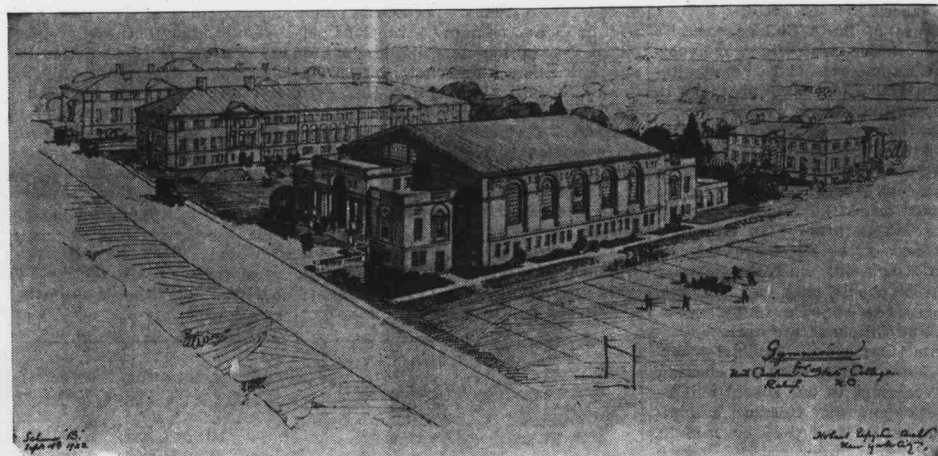
GILMERS
FROM HILLSIDE STREET TO YOU

Newest Easter Headwear

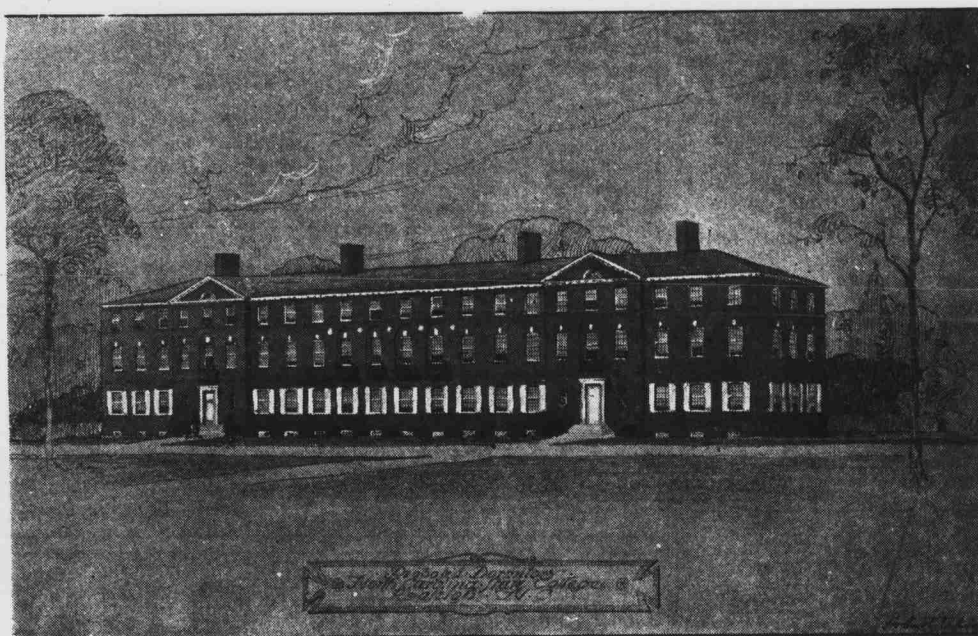
A new Hat for Easter is a necessity—It is the crowning touch to the Easter outfit.

You will feel dressed right. You'll be proud of yourself under one of our new Spring Hats.

A new lot just received. The newest shapes, the latest Spring hues, and the biggest values are here for your choice.



FRANK THOMPSON GYMNASIUM



SOUTHSIDE DORMITORY

Physical and Chemical Sciences, (3) Business Administration, (4) Industrial Management, (5) Rural Sociology and (6) Vocational Education. Each of these departments has one

(Continued on page 6.)

ALMO

MONDAY, TUESDAY,
and
WEDNESDAY

Rex Beach's
"BIG
BROTHER"

Benefit

Journalism Class
Raleigh High School

Thursday and Friday

Constance Binney
In
"3 O'CLOCK IN
THE MORNING"

Saturday Only

Dustin Farnum
In
"KENTUCKY
DAYS"

Also, Sunshine Comedy

GRAND

Return
Engagement

JIM
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NORTHLAND
GIRLS

18 — People — 18

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Change Program
Monday, Tuesday
and Wednesday

Magna Charta of Our Agricultural and Industrial Freedom

(Continued from page 4.)

improving the value of manufactured products and eliminating waste.

In order to make effective these purposes, the School of Engineering is organized into six departments: (1) Civil, (2) Electrical, (3) Chemical Engineering, and (6) The Experiment Station and Extension Service. The courses in each department are grouped into programs of studies, each having a definite vocational aim, as follows:

- (1) Engineers and Operators in Hydro-Electrical Service;
- (2) Engineers and Managers of Telephone Systems;
- (3) Engineers in Cotton Mill Construction and Equipment;
- (4) Cotton Mill Officials, including Foremen, Superintendents, Managers of Textile Fabrics;
- (6) Engineers in Railroad Construction and Operation;
- (7) Municipal Engineers and City Managers;
- (8) Engineers in Water Power Development;
- (9) Highway Engineers;
- (10) Operators of Municipal and Industrial Plants;
- (11) Manufacturers of Machinery and Machine Shop Operators;
- (12) Furniture Manufacturers;
- (13) Superintendents of Railroad Motive Power;
- (14) Industrial Chemist and Managers of Chemical Industries.

The School of General Science
The School of General Science in-

cludes the Social, Biological, Chemical and Physical Sciences, and its purpose is: (1) To provide systematic instruction for young men desiring to enter managerial positions in business or industry, the technical training having been secured for the most part in the Schools of Agriculture and Engineering; (2) to train teachers of Science, of Agriculture and of the Trades and Industries, and to organize their technical or professional courses according to modern principles of teaching and school organization; (3) to supply those basic or broadening courses required of students in each of the three undergraduate schools of the College, and to supplement the technical training in Agriculture and Engineering with systematic instruction in Language, Literature, History, Economics and the other Social Sciences, in order to give the young men trained for technical service a higher conception of their duties and obligations as citizens and leaders in our State and nation; (4) to secure, through economic research reliable data pertaining to social and industrial organizations and to the business of agriculture, and to collect from all available sources useful information concerning farm statistics, marketing, industrial management, and social co-operation, in order that this information may be available for the students in college, and may be transmitted through publications and Extension Agents for the purpose of giving wholesome instruction in proper hu-

man relationships, that our people may learn how to co-operate in government and in industries as the demands for co-operation increase.

To achieve these purposes the School of General Science is organized into the following departments: (1) Agricultural Economics, (2) Biological,

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(Continued from page 5.)

or more definite vocational or professional aims, and each subject in the curriculum seeks to make a necessary contribution to the profession or vocation specified, as follows:

(1) Professional Farm Management; (2) Special Agents in Marketing; (3) Managerial Positions in Co-operative Associations; (4) Managerial and Executive Positions in Industry; (5) Business Managers or Administrators; (6) Teachers of and Investigators in Rural Sociology; (7) Teachers of Agriculture and of the Trades and Industries in High Schools; (8) Teachers of Agricultural Economics; (9) Teachers of Science; (10) Agricultural and Industrial Journalists.

The Graduate School

Undergraduate training seldom, ever, trains men completely or adequately for expert and professional work in the strictest sense. Such training requires from one to three years of college work in addition to that given in the undergraduate schools. At the present time the State of North Carolina, together with all other Southern States, and even State College itself, is drawing its highly trained teachers, experimentators and industrial experts from the North and West.

Men who expect to prepare themselves for extension or experiment station work in the various fields of agriculture, or executive positions in industry, find it desirable to have at least one year's training in the subject material of their profession, including Economics and Business Administration, in addition to that obtained in undergraduate training. But men in the General Sciences can scarcely expect to obtain positions as experts or college teachers with less than two or three years graduate training.

It is the purpose, therefore, of the Graduate School to prepare men for the following professions:

(1) College teachers in Agriculture, Engineering and the General Sciences; (2) State and Federal Government Experts in these fields; (3) Experts in Industrial Management; (4) Experts

in Industrial Chemistry; (5) Consulting Engineers.

A picture of State College exhibits thirty-five major professions or vocations, which are essential to agricultural, industrial and social progress in North Carolina. And so interlocked are these three forces that it is impossible for the one to develop in any large and profitable way if the training of its leaders are detached from, or uninformed as to the importance of, a very close co-operation with the other two. Hence, a certain basic instruction of a broadening nature is common to all three schools, such as Language, Literature, History, Economics, Government and Citizenship, Physical Education and Rural and Industrial Hygiene. Moreover, students electing specific vocations in one school will be given the opportunity to select a minimum number of technical courses in other schools in order to lead young men to understand the interdependence of one vocation upon another.

A generation ago these professions or vocations, when filled at all, were filled for the most part by unskilled workers, and the few technically trained men employed received their training through the apprenticeship system. But the apprenticeship is not sufficient. A leader in agricultural, industrial, or commercial pursuits, as Secretary Hoover has well said, is more than a purely mechanical machine devoted to some theory built on applied science. He must take a part in building his community, his State and his nation. His very profession or vocation must contribute to it. Therefore, he should not only be highly trained technically, but he should be the exponent of the best thought, not only pertaining to business, but likewise to human relationships in government and in the arts of making a living.

During this brief span of one generation, the world has moved rapidly toward large corporate units, and more rapidly than even the officials and

workers have been taught how to cooperate. So many discoveries have been made and so many inventions perfected demanding new applications of physical science and new interpretations of social relationships, that even the conception of government and of industrial obligations has undergone marked changes requiring the application of new principles of economics and social science. Therefore, the thirty-five vocations mentioned have become so many learned professions. They have accumulated a body of well-organized knowledge far greater in their scope than even the old learned professions possessed a few years ago.

It is the chief aim, therefore, of State College so to organize the knowledge related to these professions and so to direct the instruction that young men may become not only masters of the technique, but have an excellent conception of citizenship and their duties to their community, their state and their nation, and a sense of social justice in adjusting human relationship that will make them ambassadors of good-will in a much troubled world.

Guest: "You say dinner's ready? And where do I wash?"

Host: "Why—er—that's up to you."—Ex.



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Beauty Contest Closes at Midnight, March 30th Votes Appear for the Last Time

This issue of The Technician closes the 1924 Beauty Contest. In order to give the voters the benefit of the votes in this issue of the paper, March 30 has been set as the last day on which votes will be received. If you are holding out votes, send them in as soon as possible, because it will be a big job for the contest editor to check up the thousands of votes that have been sent in. The results of the contest will not be published again until the winners of the contest are announced. A second prize will also be awarded in each part of the contest. **POSITIVELY NO VOTES WILL BE ACCEPTED AFTER THE DATE SET FOR THE CLOSE OF THE CONTEST.** It is therefore your duty to see that you turn in all the votes that you have before this date.

SECOND PRIZES TO BE AWARDED IN THE BEAUTY CONTEST

Through the generosity of the business manager-elect of The Technician, second prizes will be awarded to the boy and girl who receive the second highest number of votes in the beauty contest. These prizes will be a subscription to The Technician for the 1924-25 term. This announcement was not made sooner because we were uncertain if this would meet with the approval of the business manager for next year.

Standing of the Contestants Not Published This Week

Due to the fact that a great number of votes are being turned in hourly as the contest draws to a close, we are unable to publish a complete list of the standing of the contestants in the contest at this time. As the next issue of this paper is the "All Fool's Issue," the announcement of the winners will be published in the second April issue. We realize that the suspense will be

terrific to those who are near the head in the contest, but as we are unable to publish the second April issue before we publish the first April issue, it is unavoidable on our part.

THE U. S. GEOLOGICAL SURVEY AS A CAREER

The United States Geological Survey, in the Department of the Interior, offers a career to the three types of engineers that constitute the technical staff of the organization—the topographic engineer, the hydraulic engineer, and the geologist, who may also be properly termed an engineer.

The engineer's work is many-sided, but most of his tasks lead him out of doors and often far afield. The engineer in the public service spends his life among men who do the world's work; in no sense is he a shut-in, either physically or mentally; all his powers have wide fields for expansion.

The work of the topographic engineer embraces the mapping of the surface of the country, and owing to the fact that nearly all the topographic surveying of the United States is done by the Geological Survey itself, the engineers engaged in this work are trained in the technique of their work chiefly in the Survey, although they should possess as a basic preparation a sound engineering education.

The work of the hydraulic engineers

in the Geological Survey embraces every phase of the study of the surface waters of the United States, including stream flow in its relation to drainage, power, irrigation, flood prevention, and the municipal use of water. The work leads up to but stops at construction. Basic education and training in construction are, however, desirable.

The work of the geologist is directed in the main to the determination of the mineral wealth of the United States. It includes also a study of the history of our part of the planet as revealed by the rocks, each layer of which may be compared with a page in human history. The time and the manner in which the records were inscribed on these rock pages, the fossils and the minerals that make up their text and illustrations, and the ways in which the record may be made useful to man are objects of the geologist's study.

The practical requisites for technical employment in the Geological Survey are college courses in engineering or geology, preferably supplemented by postgraduate studies. Employment in

the Survey then becomes for the first two or three years a further and more practical postgraduate course, after which the member of the Survey may be assigned to individual or co-ordinated research work.

All the positions described are filled through civil service examinations, which are held on an average about once a year. Requests for information as to examinations should be addressed to the United States Civil Service Commission, Washington, D. C.



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HARP ENSEMBLE COMPANY PLEASURES

Lyceum Number Makes Great Hit With Students and All Present

The Harp Ensemble Company, Monday night, in Pullen Hall, gave to all present one of the most delightful programs that has yet appeared on our Lyceum course. The program consisted of classic and semi-classic music.

The company was composed of three harpists: Misses Mary Adams, Athel Hindorf, and Helen Higley, an accompanist and cellist, Miss Florence Godard, and a violinist, Miss Helen Dvorak. Many numbers were given in which all instruments were used, also, solos were given by each young lady.

From the encores that were given it was easily seen that the music was a great success with the audience. One of the largest audiences that has been to our Lyceum numbers was there. Many of our students and faculty and people from town, including several young ladies from Meredith. We are always glad to have the town people come out to our entertainments, especially the Meredith girls, and a cordial invitation is extended to them at all times.

Many favorable comments have been passed on the Harp Ensemble Company and it is the general opinion that they would like to see the company return to Raleigh again.

The next attraction in the Spring Lyceum Course will be a lecture by Whiting Williams, who will come to our campus on April 14 and spend the entire day, making several talks before various groups on the campus. At some hour during the day he will lecture before the whole student body.

At noon a steward on board ship addressed a passenger on deck:

"Your dinner will be up soon, sir."

"Yes, and so will my breakfast."—Exchange.

It's easy to smile and be happy
When life is a bright, sunny
wreath,
But the man worth while is
The man who can smile
Just after he's lost his front teeth.
—Exchange.

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PULLEN LITERARY SOCIETY HAS MOCK SENATE SESSION

Open Forum Debating Inaugurated at Most Interesting Meeting of the Year

At what was declared to be the most interesting meeting of the year in Pullen Literary Society, open forum debating was introduced in the form of a mock senate session. A great amount of interest was created, and this form of practice in public speaking gives promise of playing a large part in the future programs of the society.

The bill discussed was as follows: That the teaching of evolution shall be prohibited by law in the public schools of North Carolina. That manuscripts or textbooks pertaining to evo-

lution shall be prohibited in the public schools of North Carolina.

Those defending the bill were "Senators" Bremer, Proffitt, Keen, Raper, and Barkley. Those opposing the bill were "Senators" Baum, Anthony, Sherman, and Whitford.

After a very heated and interesting discussion, a vote was taken and the bill was defeated, 20 to 8.

President Andrews acted as "Speaker" and "Pop" Taylor acted as "clerk."

Professor Johnston, of the English Department, was a visitor at the meeting. He gave some constructive criti-

cism regarding open forum debating and stressed the advantages of this kind of training. A motion was made and unanimously passed providing for at least one meeting in every four to be given over to open forum discussions of current topics.

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