Let's Go, Wolfpack!! The Technician

N. C. State College of Agriculture and Engineering

Vol. IV, No. 3

STATE COLLEGE STATION, RALEIGH, N. C., SEPTEMBER 28, 1923 Sing

Single Copies 10 Cents



BEATTY, GUARD

HOLLAND, HALFBACK

RIPPLE, END

COX, TACKLE

WOLFPACK READY FOR THE FRAY

With the First Game of Season Here, the Wolfpack Rounds Out Its Last and Hardest Week of Training

Line-up for Opening Game Still Uncertain; Roanoke Has Light But Fast and Snappy Eleven; Wolfpack Ready.

With the opening game of the season here at hand, the "Wolfpack" is ready, after a hard and strenuous week of training, and are ready to take up the task of defeating Roanoke. This last week has been marked by much hard training, consisting of tackling, scrimmaging and running of formations. Saturday afternoon

(Continued on page 3.)

THE 1923 AGROMECK WINS SECOND HONORS

State College Annual Is Adjudged Second Place in the Nation; Naval Academy First

"Agromeck," the annual issued by State College, won second place for excellence of content and appearance in competition with all the other annuals printed by the colleges in America, according to information coming to the College here. The

(Continued on page 5.)

New Assistant Coach Reports; Was Formerly a Lineman at Lafayette, Later Assistant Coach at Pennsylvania

STATE COLLEGE IS TO BUILD MORE STANDS

New Wooden Additions to Be Erected at Stadium Will Accommodate 4,150 People

Contract for the erection of wooden stands on Riddick Field at State College, to accommodate 4,150 specta, tors, has been let to W. B. Barrow, of Raleigh. Work will begin immediately, and the job will be rushed to completion in time for the first major

Library N. C. State College New Assistant Will Work Almost Exclusively With Forwards; Vogel Not Able to Obtain His Release.

Herbert N. Hartman, a former star lineman at Lafayette College and for the past two years assistant coach to J. W. Heisman at the University of Pennsylvania, reported to Head Coach Harry Hartsell last Friday. Hartman will act as assistant varsity coach and will work almost exclusively with the forwards, while Hartsell (Continued from page 6.)

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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EDITORIAL

A pessimist is a man who, when he feels ill, orders an asbestos-lined coffin.

Some men stop loving when they get married, and some stop learning when they get a job.

Freshmen make Sophomores if they don't go home. Sophomores make Juniors if they don't get the swell-head and have to go and get a job before they can prove it "ain't" so. Juniors make Seniors if they don't get married. And Seniors, well, perhaps some day they will make citizens if they do get married.

THANKS TO THE SUPERBA THEATRE

Practically the entire student body took advantage of the kind offer of the management of the Superba Theatre to see the free movie on Sunday afternoon. The picture was a very good one and the comedy was above the average-in other words, the show was fine and we all enjoyed it.

The students of the State College wish to thank the Superba management for their kindness; we all appreciated and enjoyed the complimentary performance.

THE ROOM INSPECTION

The College authorities have advocated the inspection of the dormitory rooms, and the House of Student Government has gone on record as favoring the proposition. It means just this-that State College is advancing in every line, and the inspections are designed to advance the hygienic and health conditions on our campus.

The House of Student Government has also favored the Proctor System in preference to the Janitor System. That leaves the cleanliness of the rooms up to the students entirely. The janitors will perform their regular duties, sweep the halls and look out for the general welfare of the buildings, but as far as the dormitory rooms are concerned, the individual students are held responsible.

We believe that this movement will add very much to the cleanliness of our dormitories. The students are urged to co-operate to the fullest extent with this system.

NEWS ARTICLES WANTED

"The Technician" has had a box placed on the door of its office, and we ask and urge each one to write an article for the paper and put it in the box, which is arranged for your convenience.

This is your paper, fellows, and we want more of you to write for it. We would be glad to know about your clubs, societies, and jokes. Let us put out a truly representative college paper.

DR. WEATHERFORD'S VISIT ENJOYED

Dr. W. D. Weatherford's visit to our campus was greatly enjoyed. We believe everyone who heard his talks was greatly benefited. Dr. Weatherford is a forceful speaker. He is a man who has thought the subject of religion through as few men have. All of his presentations are logical and rational. His method is not an attempt to put something over on his hearers, but an attempt to help think religion through to a rational and definite conclusion. Every thinking student at State College should have heard him.

And it were better that more thinking were done on the subject of religion. Religion is a thing which we cannot put aside, like refusing to buy land at an auction sale by refusing to bid. The manifestations of religion are seen on all sides. We can't get beyond its influence. Every question and issue of life is encompassed about with traditions, ideals, and practices of religion. So, whatever one does or wherever one goes, the fact of religion and its influence on people and on life must be reckoned with.

Furthermore, because of man's instinct for religion, as proven by every known tribe on earth having a religion of some kind, this question will be ever arising from within. This is why a religious question will touch a man in a spot where no other question will. Some men try to form a repulsive attitude toward things religious. But that does not settle the question. The only persons who seem to have the question settled are those who have met the fact of religion fairly and squorely thought the thing through, found out where they stood and adjusted themselves accordingly. We can only meet the issue by doing some rational or "organic" thinking, as one man puts And hearing such men as Dr. Weatherford will greatly stimulate such it. thinking.



ANNOUNCEMENT

THE FINCHLEY COLLEGE SERVICE WILL BE ACCESSABLE TO THE MEN OF THIS COMMUNITY FOR FALL AND WINTER.

LATER ON, DEFINITE ANNOUNCE-MENT WILL BE MADE OF THE DATE ON WHICH THE FINCHLEY REPRE-SENTATIVE WILL VISIT YOUR CITY.

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THE TECNICIAN



LASSITER, FULLBACK

WALLACE, END

still uncertain, because so many are

With First Game of Season Here, the "Wolfpack" Rounds Out Its Last and Hardest Week of Training

(Continued from page 1.)

there was a real football game waged on Riddick Field between two of Coach Hartsell's elevens. Neither side could very well be called the varsity, as there was a great deal of changing carried on, due to injuries and other reasons. Captain Bostian's team could best be called the varsity, as the letter men were with him and showed up better than the opposing team. Both teams put up a strong fight, and the touchdowns were made only after a long and hard fight. There were several more scrimmages during the week, and the teams looked better and better after each scrim-With Hartsell to work with mage. the backs and Hartman working with the forwards, wonders have been accomplished during the week. We must all stay behind the team and help them put Roanoke on the small end of the score. **Probable Line-up**

showing varsity stuff. There are fully eight good men who can and will do their duty behind the line if given the chance. They are all sure to get their chance, and are sure to come through in good shape.

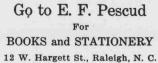
The best looking men to get in the game as backfield men are "Red" "Dutch" Holland, "Red" Lassiter, Sprague, Charlie Shuford, Al Johnson, Walter Shuford, Charlie Austell and "Rip" Summeral.

In the line there are a number of men who are showing up well and who will get to show their stuff against Roanoke. In Captain "Big Dick" Bostian we have one of the best centers in the South. He is sure to start the game at his old position. The other men who are most likely to start the game are: "Big" Cox and "Big" Hendrix, tackles; Cham Beatty and Bill White, guards; Sam Wallis and Joe Ripple, ends. Besides these men, Coach Hartsell has plenty of material on which to fall back in case any of these should receive some kind of injury or do not come up to what he was expecting of them. These men include Elms, Herring, Beasley, Eller, the Logan brothers, Jimmerson

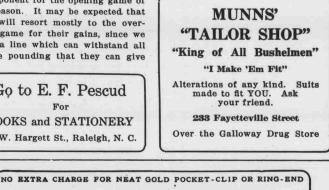
and Crater. All of the men who are given a chance will be a player worthy to represent State.

Roanoke's Eleven

Roanoke this year will bring to State a team that is going to fight from the very beginning until the last whistle blows. The team will not be as heavy as our's, but it is sure to make this up with its fighting spirit. They will be met by the same kind of men, who have just as fine a spirit as can be found. In Roanoke we meet a team which is well worthy as an opponent for the opening game of the season. It may be expected that they will resort mostly to the overhead game for their gains, since we have a line which can withstand all of the pounding that they can give



without giving one inch. We have a backfield which can break up these passes with much ease. It is going to be hard for Roanoke to get away with much, but she will be fighting every minute of the game, and the team will need the service of every man in College to win that game. every minute of the game, and our Freshmen out, the Juniors the Sophomore, the Seniors the Juniors, and the Seniors will be brought out by the State College spirit.





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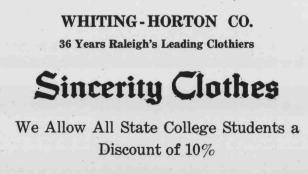
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The line-up for the first game is



ENTHUSIASTIC MEETING POULTRY SCIENCE CLUB

An Attendance of Over Sixty at First Meeting; Ten Desire to Join "Ancient Order of Yellow Curs"

If any visitors had been in the vicinity of Room 207, Ricks Hall, Thursday night, September 20th, they would have thought that a bunch of roosters were having a secret meeting similar to the Kluckers of the Klan. The crowing of one rooster would be intermingled with occasional growls. On investigating the cause of this commotion, it was discovered that a meeting of the Poultry Science Club was in session, also that several old members of the Ancient Order of the Yellow Curs were present.

This was the first meeting of the club this year, and from the number present, which was over sixty, and the pleasure derived, it was a success in every respect. No visitors were present, the program including only instructors and students. All pullets and hens having gone to roost, the cocks and cockerels had a stag affair.

President Kennett, who, by the way, is a registered cock now, this being his Senior year, opened the meeting with all the dignity and eloquence expected of a Senior. The first speaker he called on was the Chief - High - Cock - a - Lorum, Dr. Kaupp. He gave a very interesting talk on his trips to the annual meetings of the American Poultry Science Association at Philadelphia and the American Association of Instructors and Investigators in Poultry Husbandry at Ottawa, Canada.

The next speaker was one of the coming big cocks of the State, Mr. William Armstrong, the new instructor in Poultry Science. He is by no means a new figure around the College, having taught the Rehabilitation Class in Poultry last year. His crowing called attention to and aroused enthusiasm in the special project work to be undertaken this fall.

Following this speaker, Senior Sykes gave some of the pleasures he derived from his trip to Madison Square Garden last winter, he being one of the team which represented the State College at the Poultry Judging end Contest there. Since hearing his talk the nine students who are majoring the in Poultry are determined they will the make the team, and already this spirit we

THE TECNICIAN

has shown itself among these students. The following are those from whom three will be chosen to make the trip this winter: J. H. Kluttz, J. R. Brown, T. T. Brown, C. F. Parrish, N. W. Williams, W. H. Shearin, S. R. Wallis, L. C. Salter, C. E. Glenn.

"Babe" Routh expounded on the enticing features of the Annual Chicken Feed, in which only members of the Ancient Order of the Yellow Curs are eligible to participate. This expostulation brought out ten mangy candidates, who expressed a desire to have permanent quarters in the "Yellow Curs'" kennel. These ten will be made full-fledged mangy curs at the next meeting.

At the close of the meeting of the Poultry Science Club the Yellow Curs called a session, in which the following officers were elected: High Chief Cur, Dr. Kaupp; Assistant High Chief Cur, C. F. Parrish; Keeper of Ancient Relic, J. R. Brown; Leader of the Mongrels, H. S. Hogan; Assistant Leaders of the Mongrels, J. H. Kluttz, T. A. White and H. G. Moore; Inquisitive Cur, William Armstrong; Custodians of the Collar and License Tag, E. A. Davis and J. F. Bullock.

M. E. SOCIETY HOLDS LIVE MEETING

Professor Vaughn, Speaker of the Evening, Delivers a Very Interesting and Informing Talk

The Society was given a very interesting and informing talk by Professor Vaughn on the relation of the A. S. M. E. proper to the student branches of same, in which we were told something of the history of the Society, its purpose, the advantages offered its members, and just what relationship the parent Society holds with the student branches. An M. E. student, upon graduation, Mr. Vaughn says, is eligible to become a junior member of the parent Society whenever he wishes.

Friday, the 28th, at 9 p.m., was voted by the Society as the date for

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the initiation of new members. We expect 100 per cent of the Junior Mechanical students to report at this time for initiation. This has been true heretofore. Why, then, shouldn't we expect it now?

Guide (on sightseeing charabanc): "Liddies and gintlemin, we are now passing one of the oldest public houses in the kingdom."

Startled Passenger: "Wot for?"-Punch.

"That's a magnificent diamond you are sporting; I don't see how you can afford it."

"Well, it's a monument. You see, my grandfather died and left \$1,000 by will with direction for me to buy

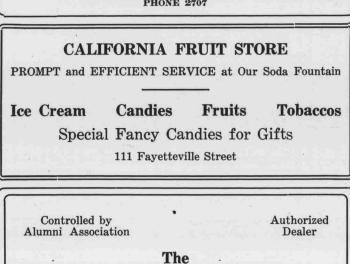
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a stone with it. This is the stone."-Boll Weevil.

A new officer has been detailed to the Military Department in the person of General Nuisance.

Freshman Thomas thinks Primrose Hall is the greenhouse.

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STUDENT CHAPTER A.S.C.E. HAS A FINE MEETING

Dr. Taylor Spoke on "The Economic and Sociologic Phases of Civil Engineering"

The second regular meeting of the Student Chapter of the American Society of Civil Engineers, held on Tuesday evening, September 25th, was one of the most instructive and entertaining the Society has ever had.

Dr. C. C. Taylor delivered an address to the Society on "The Economic and Sociologic Phases of Civil Engineering." The subject was not only entertaining, but was also clear, concise and to the point, as is Dr. Taylor's custom. He charged the student not to be content with merely performing engineering feats, as a brickmason builds a structure, which are the ideas of other men-but to be inventors themselves; to refuse to do engineering feats unless they were justified from the standpoint of economics.

The chairmen of the various committees made their reports. The Membership Committee reports 33 new members. It was decided that the initiation should be held on Tuesday night. October 2, 1923.

State College Is to Build More Stands

(Continued from page 1.)

home game, that with the University of South Carolina, on October 13th. J. M. Kennedy, also of Raleigh, is the architect.

The new stands will be located along the eastern side of the field, where the embankment was cut away during the summer, and they will be permanent, or rather they will remain in place until the Tech Athletic Association is able to replace them with concrete construction.

For the last several years temporary bleachers have been used on the east side of the field for the football games, and when the baseball season came around the stands were removed to make room for the spring sport. This practice, while expensive and troublesome, was necessary on account of the limited space. With the embankment cut away, however, considerably more than the regulation distance for baseball is available, even with the bleachers in place. The new stands will be built from a platform at least three feet high. which will give spectators seated on the bottom row an uninterrupted view of the playing field over the heads of persons standing in front.

Additional bleachers will be erected also at the south end of the field. next to the railroad, and the line of concrete stands along the western side will be supplemented with wooden construction, providing seats completely around the field. According to Prof. Thomas Nelson, of the Faculty Athletic Commission, who is in charge of the seating arrangements, more than nine thousand people can be seated at the Fair Week game with Carolina, and there will be standing room for three to four thousand more

There will be 3,150 reserved seats on the Carolina side of the field, and 2,040 on the State College side. Tickets for these two reserved sections will go on sale about October 1st. The price will be two dollars each. Mail orders should be addressed to Prof. Thomas Nelson, State College Station, Raleigh, N. C., who advises that the purchaser should specify his preference as to the side of the field and enclose ten cents additional for registering the tickets.

The 1923 Agromeck Wins Second Honors

(Continued from page 1.)

"Lucky Bag," from the United States

Naval Academy, won first place. The "Agromeck" was printed by the Observer Printing House in Charlotte.

The "Art Crafts Review" offered prizes a year ago to the college annuals showing the highest standards of work throughout, the grading to be based upon the four phases that go

into the make-up of such a bookphotography, engraving, art work, and printing. Three prizes were offered in the large university class and three in the college class, the latter being the class into which "Agromeck" fell. The fact that this publication led those of every institution in the United States with an enrollment of less than two thousand, excepting only that of the Naval Academy, is regarded as a very unusual tribute alike to the staff of the annual, to the printing house that handled it, and to every person and concern that had a hand in its production.

The last edition of the "Agro-meck," which won the award, was printed on old ivory paper and bound in grain Lavant, stamped in old gold, and heavily embossed. It was divided into nine departments, the art work in the first section, "The Campus." being unusually striking. Soft focus photography had been used to secure a duo-tone effect in the book.

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C. S. Leigh, of Winston-Salem, was editor of "Agromeck," with Frank B. Leeper, of Granite Falls, as associate editor. T. W. Satterfield, of Leaksville, was business manager, with William L. West, of Whiteville, as assistant. Francis W. Kittrell, of Landrum, S. C., was art editor.

The Freshmen are so dumb they think the Student's Supply Store is controlled by the Alumni Association for the benefit of the students.

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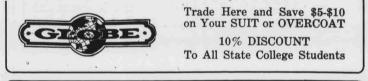
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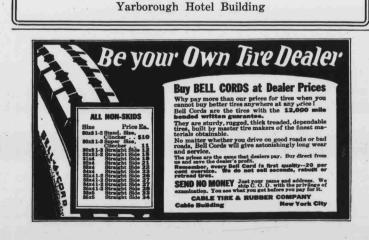
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GENESIS ENGINEERING EXPERIMENT STATION

After an agitation-lasting for more than six years, an engineering experiment station at State College became a reality at the opening of College with the employment of H. B. Shaw, a native of Tarboro, as the director, and the preliminary plans, which will enable the station to begin to function at once, have already been completed. Mr. Shaw, the director, entered upon his new duties September 8.

For several years there has been an insistent and growing demand from the people of the State for an engineering experiment station at the College, which would serve the industries in the same way that the agricultural experiment station and extension service serves the agricultural interests. The first definite steps looking towards its establishment came at the last session of the General Assembly, when, upon the recommendation of the Board of Trustees, appropriation was made for this purpose.

Director Shaw and a committee composed of Dr. W. C. Riddick, Dean of Engineering, and the heads of the various engineering departments will have charge of the administration of the station.

Seniors Work in Laboratories In addition to instruction given to students in engineering research problems, the station will keep in close touch with the engineering and manufacturing industries of the State and assist with the solution of their problems. A complete survey will be made of the natural resources of the State with a view of determining the best methods of their utilization. The station will work · in co-operation with all of the engineering departments of the College, and graduate students and engineering Seniors will be assigned part-time work in the experimental laboratories. The results of work in research will be available to students, and will go out to the public in the form of bulletins, to be issued from time to time, through an engineering extension department.

Howard Burton Shaw, the newly elected director of the station, was educated at the University of North

Carolina and at Harvard University. receiving his Master's degree from the latter institution in 1894. Mr. Shaw has had a wide and varied experience in the engineering field, and the nature of his work in the past admirably fits him for the position to which he has been called at State College.

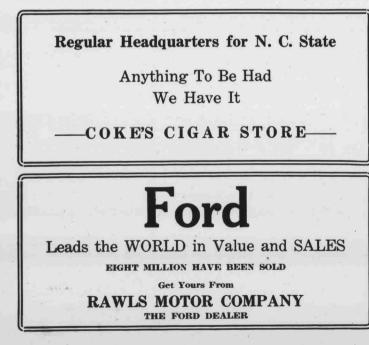
Mr. Shaw originated and developed the engineering experimental station at the University of Missouri, and suggested, directed, and carried on engineering researches for the station. For seventeen years, 1896 to 1913, he was connected with the University of Missouri as assistant professor, and dean of the School of Engineering. He served five years in the latter capacity when he was elected for a four-year term as Public Service Commissioner of the State of Missouri.

He made an enviable record in his four-year term as Public Service Commissioner of Missouri, and wrote many of the opinions, especially those on valuations and rates. Following this, he was in charge of Doherty Training Schools at Denver. Toledo and Bartlesville, Oklahoma, with office at Toledo and later at 60 Wall Street, New York City, with Henry L. Doherty & Company

New Assistant Coach Reports! Was Formerly a Lineman at Lafayette, Later Assistant Coach at Pennsylvania

(Continued from page 1.)

will handle the back field. While at Lafayette, Hartman distinguished himself as one of the best linemen that the school has ever had. After he graduated he took up coaching and for the past two years he has been with the University of Pennsylvania. While there he did much to develop the forwards for the University. He learned a lot of tricks about footbal during his college career and while coaching, and now he is ready to turn them over to State College men. He has had a lot of experience and knows a lot about football, and under his guidance it may be expected that our forwards will rapidly advance in all branches of football. He has already started his work



with his men, and already they are showing some improvement. After he and his men get more familiar with each other's methods, he will be of still greater help to them, and we will be able to boast of one of the strongest lines that we have ever had. Since Hartsell can now give all of his time to the backfield men. he will be able to give each man a better chance and thereby develop a backfield that will be just as strong as the line.

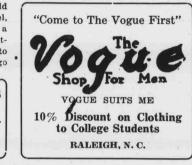
We are indeed sorry that we could not get the services of Mr. Vogel, but we feel sure that we now have a man who is just as good, if not better, than he. Vogel was unable to get his release from the Chicago

THOS. H. BRIGGS & SONS Raleigh, N. C. THE BIG HARDWARE MEN-**Sporting Goods**

Baseball Club until the middle of next month. We needed a man now and could not wait for him. We wish him much success as a baseball player.

We are all behind you, Mr. Hartman, and know that you will give us the very best that you have.

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TOMPKINS TEXTILE SOCIETY MEETING

Undoubtedly the best meeting of the Tompkins Textile Society in the history of its existence was held Thursday night, Sept. 20th, in the banquet rooms of the Y. M. C. A. This, the initial meeting of the year, was in the form of a "feed" and smoker. Approximately 150 men attended.

W. E. Shinn, President of the Society, presided at the meeting. The principal speakers of the evening were Dr. E. C. Brooks, President of the College; Mr. L. R. Gilbert, an alumnus of State College and superintendent of Caraleigh Mills, and Prof. Thomas Nelson, head of the Textile Department.

Dr. Brooks spoke in his characteristic manner. He emphasized the fact that there are three essentials that a successful textile man must possess. Without any one of these it is impossible for him to measure up to the standard that should be his. The essential factors are: First, a technical knowledge of the machinery in order that he may operate properly the machinery end of the business; second, the capacity for friendship, in order that he may engineer successfully the human side of the business; and, third, a knowledge of historic literature in order that he may appreciate the people that work for him and the struggle they have had to endure through generations.

Mr. Gilbert was the next speaker of the evening. He spoke interest-ingly, from personal knowledge and experience, on the human element in the cotton mill. He told the members of the Society that unless they had the capacity to love the help they could not succeed. If the mill help is looked upon as simply a cog in the machinery of this great industry, and their interests are not close to the heart of the man in authority, then those men or those mills are doomed to failure.

Professor Nelson's speech was a challenge to the men who are preparing for leadership in the textile industry. He spoke of the wonderful opportunities that are presented to a young man entering this work. They



are to be envied and their opportunity a thing to covet. He spoke of the general exodus of cotton mills to the South and the marvelous strides that are being made in this section of the country in the development of this work.

An item not to be scoffed at was the serving of refreshments, and everyone present took part in this without coaxing.

ALAMANCE TO THE FRONT

The Alamance County Club met September 11, 1923, and elected the following officers: R. H. Scott, Presi-

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dent; T. C. Johnson, Vice-President; J. E. Williams, Secretary-Treasurer.

Eight old men were back and nine new members were added. The club intends to have a number of "feeds," to distribute The Technician throughout Alamance County, and to do everything possible for the growth and betterment of N. C. State. "Alamance First" is our motto; watch us "HOLIER THAN THOU"

I see you dancing past me,

You with head so high, Who gives no glance to right or left,

As you proudly flit by. You'd think you were above our

realm

But let me say, fair one,

You'd be less proud if you only knew Your stocking had a run.

Provident Mutual Life Insurance Company Of Philadelphia—Established 1865 (FORMERLY, THE PROVIDENT LIFE AND TRUST COMPANY) The Provident Mutual Life Insurance Company of Philadelphia is pleased to announce a material increase in policyholders' dividends for the year 1924, which will result in a considerably lowered net cost for life insurance in the Provident. This Company has long been noted for its very low net costs, and dur-ing the past twelve months has made two material increases in its divi-dends, thus reducing its former very low net costs. This announcement will be of interest and good news to the many policy-holders of the Company in Raleigh and vicinity, and of like interest to future policy holders. Before deciding on an Insurance Policy, investigate our Maturing Old Age Pension Policy. Before buying any policy, get the Provident's rate quotations; you'll find it the Lowest in Cost. This Company paid in cash to living policyholders of maturing policies \$4,080,791.90, during the year 1922. The pleased, well-satisfied policyholders of this Company are its high-est endorsement; more than half century of honest and successful conduct of its affairs has demonstrated its excellence. The Company's remarkable financial stability; its care and integrity in management; its low net cost for insurance, make it the Ideal Company for the careful, thrifty buyer of insurance. FRANK M. HARPER, PAUL W. SCHENCK, Gen. Agent for North Carolina, Greensboro, N. C. District Agent, Tucker Bldg., Raleigh, N. C.

CAROLINA SPEC Louisville, Cincinnati,

> Chicago AND THE MIDDLE WEST

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Engineering Levels Mountains

The Pack Train has become a relic of the past, along with the Prairie Schooner. Modern methods of transportation have leveled mountains, brought San Francisco nearer to New York, and widened the markets of all our great industries.

And the engineering brains and energy, that have developed transportation to the prominence it holds in the business of the world today, are no longer employed in improving means of overland travel alone. Street Railways, Elevator Systems, Interurban Lines and Improved Shipping Lines these are some of the accomplishments of engineering in the development of better transportation.

Neither have the builders of such systems been concerned only in the actual hauling of people and materials. A study of the methods of handling passengers and freight at the large terminals has developed the Terminal Engineer, who has greatly improved existing methods, and has developed entirely new ones, as well.

Engineering, as it is applied to transportation, has had to concern itself with many kinds of materials and many ways of handling them under all manner of circumstances. For instance the problems surrounding the handling of iron ore, in bulk, are vastly different from those encountered in moving any one of the finished products manufactured from iron ore, that must also be transported in large quantities. But Engineering constantly meets each situation with improved transportation facilities.

Industry, as a whole, and the nations and the people of the world owe much to the engineers, associated with such large manufacturing industries as Westinghouse. They have not only brought about vast improvements, but they have done so at a constantly decreasing cost to those who derive the greatest benefit from them.

