

ALUMNI NEWS

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LIFE'S IMPRESSIONS AS SUMMED UP BY LATE B. CLEGG ASHCRAFT

First Student to Enter State College Writes Last "Copy" As Farewell to the World

(The late B. Clegg Ashcraft, of Monroe, the first student to matriculate at the College after it was founded, died recently after serving for a quarter of a century as editor of the *Monroe Enquirer*. The following unusual document was found among his papers after his death and published first in the *Monroe Enquirer*. We are indebted to the *Raleigh News and Observer* for furnishing the half-tone. Editor.)

Many a time during the years gone by have I answered the call of the man at the type-setting machine or at the "case" for "copy." This is my last answer to that unvarying call—"copy."

The eyes of him who hangs this copy on the hook will not, after it is set, read the proof, for they will be death dimmed. The hand that wrote it will not mark the errors on the proof sheet, for before it is set that hand will be cold, numb and cumingless in the grave.

The thought of laying aside my pen—and that forever—is a staggering one, but there is no use to wince nor cry aloud—not a bit of it. About the best thing to do is to be reconciled—and if I am not reconciled, what's the difference.

"Was your uncle reconciled when he met death?" a long-faced preacher asked a boy whose uncle had died.

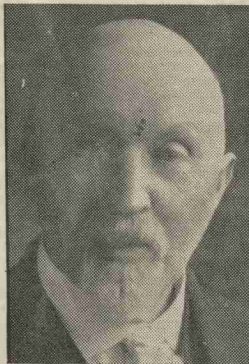
The boy replied, "Reconciled, h—l, he had to be."

Now this contemplation of unbuckling the harness, of quitting the work I love, is calculated to bring on some sob stuff, and it may be that some of you like to read that kind of stuff—but I do not like to write it.

Years of Happiness

For many years I have written copy for *The Enquirer*. I have told of the successes of our people. I have gladly told of their joys, and it has been a delight to me to chronicle the fact for them the banner of success floated full mast, and that for them the bugle of victory was sounding sharp and clear. Sorrowfully I have told of the griefs of our people. With a heavy heart and an unwilling hand I have told of death entering the homes of our people, of pain, sickness, suffering and loss coming to the people whose servant I have been in the way of furnishing them with the local news. But no more will I

HE MEETS DEATH WITH GOOD HUMOR



B. Clegg Ashcraft, for a quarter of a century editor of the *Monroe Enquirer*, after preparing his last "copy" for his paper, left this note with it: "Boys, print this as it is written. Read proof carefully. For me the 'forms are locked.' The last line is written.—B. C. A."

talk of the events, good or bad, cheering or sorrow-laden, in our community. I pass my pen to another hand. I wish I knew who will take my place here in *The Enquirer* office. I might tell him a few things that would be of interest, if not of benefit to him.

My work, as I have intimated, has been pleasant. There have been, of course, times of gloom. The paw of old "hardtimes" has, now and then, pressed painfully hard on over-burdened shoulders, but there has not been a time when that hard old paw pressed down hard enough to crush to earth. The night has not been so dark that there was not now and then, between the clouds, the glimmer of the star of hope.

Not a Bad World

My relations with the public has been pleasant. The public is not as good as the candidate for office tells it that it is, neither is it so absolutely bad as the defeated candidate thinks it is, and taking it year by year the public is pretty fair in its dealing with the individual—at least I have found it so.

I have long since come to the conclusion, however, that the editor who pets

the public is a fool, and the editor who fears the public has a broad streak of cowardly, yellow cur in his make-up.

I have mingled with our people in public gatherings of about all kinds, from preaching services to street brawls, but the thought comes that at the next gathering of the people where I will be one of the number I will be the "silent party" at the gathering, and at that gathering, no matter what is said or done, I will make no objection, but I do hope that on that occasion no self-appointed saint, who claims to know all about the other world, and knows so little about this world that he wears a part of its inhabitants almost to death when he speaks, will make an ass of himself by "fulminating" over me and airing my many failings—a thing he did not have the nerve to do publicly while I was in the land of the living. Neither do I want any "sugar-mouthed" individual who never had any kin' words for me while I was toiling along the best I could, to come and say pretty nothings over my rotten "remains." And you folks who have taken delight in throwing rocks at me when I was not looking, for God's sake, keep your tongues off of my grave. I do not need them.

Hard to Say Farewell

I would like to leave a message to my business associates—the boys in the "shop"—but I cannot write about that, for there comes a lump in my throat, and, doggone it, my eyes fill with tears when I try to tell of the loyalty, the fidelity, the patience of these who have labored with me year after year, and some of whom have grown up in the shop. I love them with a love unutterable, and if the blessings of a dying man is worth a whoop, they will be endowed with richest blessing if old reason shall sit enthroned when I pass out. Boys, we have fought the battles together. You have not failed me. God bless you. If I have failed to act the man before you, forgive me as I hope God has forgiven me, for I have played the coward's part if I have been untrue, dishonest and unclear in my dealing with you, or in my life before you I have not been aware of it. I have tried, God knows I have tried, to play the man in my work. You can tell the man who says that I knowingly wrote falsely of any person, institution or thing, that I withheld my pen from writing the plain truth when I deemed it best to write it, for fear of any man or for favor from any one on the face of the earth, that he is a liar.

The Mystery of Death

Perhaps some one will want to know what are my views concerning death and the future state. My answer is,

I "know" nothing about death, that mystery that all men since the race had its origin have faced. I know no more about the future than the cave men knew. And you who read this know no more. But although I do not know and cannot know, I can trust. No man can do more.

I came across this bit of verse some time ago. I do not know who wrote it, but it so well expresses my thought that I pass it on as the adopted child of my brain as I face death, the grave and the great unknown:

"I cannot feel
That all is well, when darkening clouds
conceal

The shining sun;
But then, I know
God lives and loves; and say, since it
is so,
 Thy will be done.

"I do not see
Why God should e'en permit some thing
to be

When he is love.
But I can see
Tho' often dimly through the mystery
His hand above!

"I do not know
Where falls the seed that I have tried
to sow

With greatest care,
But I shall know
The meaning of each waiting hour be-
low,
 Some time, somewhere!

"I do not look
Upon the present, nor in nature's book,
To read my fate;
But I do look
For promised blessings in God's Holy
Book;

And I can wait."

B. C. ASHCRAFT.

THE POSSIBILITIES OF THE STATE AND THE FUTURE OF THE COLLEGE

By DR. CARL C. TAYLOR.

I had just returned from a trip which within the day had taken me from Buncombe County to Wilmington, and in which I had zig-zagged back and forth north and south across the State of North Carolina. I had seen field, flock and herd producing about every type of crop and animal known to man. I had seen fruits and vegetables of all kinds at various stages of maturity. Town after town, large and small, through which I passed was alive with manufacturing and refining of all kinds. Streams had been harnessed to furnish power. Material had been produced and mobilized for the use of the citizens of the State and the people of the world. People by the hundreds, thousands, and even millions, were living and working together with varying degrees of opportunity and varying visions of life. I had met county farm demonstrators, home demonstration agents, and extension experts in all lines of

agricultural production serving the State. I had visited two or three experimental farms.

As my train drew into the city of Raleigh, I passed through the central experimental grounds and campus of the State College of Agriculture. I suddenly became aware of the significance of this central plant. Without planning to do it, I had made a rapid survey of the farm situation in North Carolina, and I could not now help but size up the College of Agriculture in the light of the agriculture of the State.

We have in the State 269,763 farms. We have 1,348,815 farm population. There are on these probably 250,000 young men who are or expect to immediately enter the occupation of agriculture as a life pursuit. They have under their direction \$1,250,166,395 worth of wealth. They produce \$577,252,198 worth of products each year. Practically every forward step they take by way of production and wealth increase will originate at the College or some one of the experimental farms. I wondered if they had ever thought of this. I wondered if they knew it. I wondered if the College itself had ever thought of this. The College plant and experiment station are worth approximately \$2,000,000. Take from this the amount which is for the education of the engineers and manufacturers, and it is apparent that the State has invested in its central agricultural plant but \$1,125,000, or nine hundredths of one per cent of its agricultural wealth. It spends annually on its central plant but \$432,000, or eight-hundredths of one per cent of its farm production. It has in attendance but seven-hundredths of one per cent of the farm population, and but four-tenths of one per cent of those who are just now or soon will be entering agriculture as a life pursuit.

I saw a vision of a State and a College alive to the vision of their needs and possibilities. In this vision was a College with 5,000 students, a plant worth \$10,000,000, with an annual appropriation of \$4,000,000.

I was so interested in the vision that I went home and figured out its possibility. I found that the State of Iowa had a State College with over 5,000 students and with equipment and appropriation even greater than I had dreamed for North Carolina. I asked myself whether the farmers of Iowa worked harder than those of North Carolina; whether agriculture is more important in Iowa than it is in North Carolina; whether the agriculture of the State of North Carolina was less dependent on its College and experiment station than in Iowa; whether the men and women, boys and girls of the farms in North Carolina are any more deserving of assistance and opportunity than are those of Iowa?

I wondered whether I was different from all others who had both the State's agriculture and its College at heart when I answered every one of these questions with an emphatic "No," or whether it was that others, some others at least, had just never asked themselves these questions.

STATE COLLEGE DISCOVERIES IN AGRICULTURE

(An interview with Dr. J. Sidney Cates.)

Dr. J. Sidney Cates, B.S., 1902, now on the writing staff of the *Country Gentleman*, was in Raleigh June 14 conferring with officers of the College and experiment station on agricultural matters.

Dr. Cates, whose work carries him into every farming section of importance in the United States, seems in no wise to lack enthusiasm about North Carolina's agricultural progress. The following interview appeared in the *Raleigh Times*:

"You have just begun to scratch the surface and garner a few of the out-cropping gold nuggets," he said.

"With the happy midway position between the North and South, the Old North State can pick and choose her farming type with such broad latitude that no single crop pest can play very great havoc with prosperity.

"It would not hurt to turn more publicity on some of the fundamental work being done right here at State College. Take, for instance, the matter of plant breeding. The College has developed types of wheat which will yield on the average three bushels per acre more than the best varieties now grown. This would mean three million more bushels of wheat could we but get these varieties into common use. Yet most of the farmers have never heard of the work the College has done.

"There is a strain of 'College-bred' rice which will double the yield of the old common kind; and there are types of cotton suited to every section which, if commonly grown, would add one-fourth to the value of every acre of cotton ground.

"And plant breeding is just one of the many important lines of work here at your institution. The State could afford to spend a vast sum in getting across to the man behind the plow the real, succinct and important discoveries being made by its scientific workers.

"Stories of what the leading farmers of North Carolina are accomplishing, and how they are doing it, furnishes many inspiring columns for the *Country Gentleman* throughout the year."

Dr. Cates, whose old home is in Alamance County, is living at Rosslyn, Virginia.

NEW CATALOGUE READY

The 1922 catalogue, carrying complete information about the College and all of its courses, together with a Register of Graduates, is now ready for distribution. Copies may be obtained by writing Mr. E. B. Owen, Registrar, State College Station, Raleigh, N. C.

Mr. F. B. Sherwood, B.S., 1912, who is with Cosden & Co., petroleum refiners, Tulsa, Okla., spent several days in Raleigh with relatives during the early part of July. Mr. Sherwood's address is 708 West 4th Street, Tulsa, Okla.

TO FIND OUT FACTS ABOUT FARM TENANCY

Rural Survey Will Show How "John Smith" Lives and Why He Does Not Own a Farm

John Smith, tenant farmer. Why is he a tenant? How does he live? Can he rise to ownership; and if so, how? This is the subject of a survey of social and economic conditions on one thousand North Carolina farms, to be conducted this summer by the Commission on Farm Tenancy appointed by the State Board of Agriculture.

The Commission consists of Clarence Poe and C. C. Wright, representing the Board of Agriculture; B. F. Brown, of the State Division of Markets; E. C. Branson, of the Department of Rural Social Science at the University of North Carolina; E. C. Lindeman, of the North Carolina College for Women at Greensboro, and Carl C. Taylor, of the Department of Agricultural Economics at North Carolina State College.

The survey will be financed by \$400 each from the State Division of Markets, the University, and the State College. This \$1,200 will be duplicated by the Department of Farm Economics and Rural Life of the United States Department of Agriculture.

Questionnaires covering all phases of a farmer's life from his family history to his present economic and social conditions will be filled out for each of 350 farm families in an eastern county, a Piedmont county, and a mountain county. The counties most likely to be selected are Edgecombe, Chatham, and Madison.

Pictures will be taken of every farm home surveyed in order to make a graphic presentation of the social and economic conditions upon tenant farms of the State. Information about the farm owner and hired man will also be gathered as a basis for comparative study. The farm owner will be asked to tell his experience in securing land, in order that the Commission might have the information to devise a proper way to enable other less fortunate farmers to secure land.

The committee will visit the counties under survey and hold conferences with the landlords and tenants to determine if possible some way to secure homes for landless farmers.

C. C. Zimmerman, of the Department of Agricultural Economics at State College, will have charge of the field research. The surveys will be carried out by four advanced students in Agricultural Economics, two from the State College of Agriculture and two from the University.

The survey will continue from June 1st until September. At the conclusion of the field work the findings will be tabulated, and soon afterwards presented to the public. In order to determine by scientific measurements the standard of living of each tenant, the investigators will ask questions concerning his housing conveniences, his

educational opportunities, his social and civic relationships, and his outlook on life.

Where possible, they will ascertain the economic history of each case. In particular they will attempt to find whether tenancy is due to inherited physical defects, to crop failures, market conditions, accidents, diseases, or deaths in the family, or to a lack of a start in life.

What is the relation of land credit, time-merchant credit, preferential landlord lien, and the market system to farm tenancy? What proportion of the tenants can rise in the agricultural ladder from tenancy to ownership? How can the State, the landlord, the merchant, the church, or the public school help the tenant who shows that fit him for land ownership? The survey will attempt to answer these questions.

FARM BOYS OUGHT TO ATTEND COLLEGE

Dean C. B. Williams gives three reasons for training our youth in agriculture:

1. As opportunities in agriculture, the parent of all industries, were never so great as at the present time for properly equipped young men, it behooves all ambitious young men to specially prepare themselves for their future work in this field of endeavor, if they are to get the most out of life for themselves and their dependents, and are to render the greatest service to their fellow-men.

2. As the strength of our State and nation lies in its rural life, everything possible should be done to train men in large numbers for aiding in building up a better life in the country. Two of the main essentials for this are the building of our system of agricultural practices on a sound basis, and for the people in the country to have conditions favorable for a pleasant and contented life on the farm.

3. Education of our youth should be in terms of their environment, or in other words it should start with things about which they are familiar, and then by building wisely on this knowledge lead the child from the known to the unknown. Since agriculture is decidedly our dominant industry in North Carolina and ideas and influences pertaining to it influence greatly our thinking, the environment of the average child of the State is largely agricultural. The greater part of our school work, therefore, should be of the atmosphere of the life of the people on the farm.

Mr. C. L. Garner, B.E., 1907, Hydrographic and Geodetic Engineer with the U. S. Coast and Geodetic Survey, Washington, D. C., has settled the dispute between North Carolina and Tennessee as to which state has the highest mountain east of the Rockies. After measurements, Mr. Garner has found that Mount Mitchell exceeds Mount Leconte, the Tennessee entry, by 131 feet.

THE SUMMER SCHOOL

With 925 students registered, the ninth Summer Term of the College has been in session since June 14. It will close July 26. In addition there are 180 rehabilitation men studying at the College, although this department has no connection with the Summer School. This makes a total of 1,105 taking work here during the summer or about 100 less than the total registration for the regular College year.

Teachers make up by far the greatest number attending the Summer School, although courses are given for College credit, College entrance, cotton classing, vocational education, swimming, and there is also a demonstration school for children. The registration in these courses is as follows: State teachers school 659, county teachers school 89, college credit 72, college entrance 17, cotton classing 30, vocational education 18, swimming 6, demonstration school 34. Total 925.

The Summer Term is again under the capable direction of Dr. W. A. Withers, Vice-President of the College, who has spared no pains to make the stay of our summer visitors pleasant as well as profitable. On each afternoon and evening throughout the week there is a well planned program of wholesome entertainment, consisting of organized plays and games under the management of Misses Orelia Cunningham and Nannie Burwell Crow, of the department of physical education, concerts by such well known artists as Emille Rose Knox, America's foremost woman violinist, and Mrs. Horace Dowell, brilliant dramatic soprano, story-telling led by such pleasing readers as Mrs. Charles G. Doak, Mrs. F. D. Castlebury, Mrs. T. E. Browne, and Mrs. H. E. Glascock, interesting and instructive sightseeing tours to various points in or near Raleigh under the direction of Col. Fred A. Olds, who knows local history legend and tradition as few other people know it, lectures and addresses by speakers prominent in the life of the State and Nation, and several enjoyable entertainments by various organizations in the city.

The Woman's Club has also given an informal reception complimentary to the Summer School and the Rotary, Kiwanis, Civitan and Lions Clubs of Raleigh have also extended numerous courtesies.

From every standpoint, including that of attendance, which, by the way, is the largest in history, the 1922 Summer Term promises to be the most successful one in history.

Messrs. O. C. McKinnie, F. H. Corpening and H. J. Kinard are with R. G. Lassiter and Company. The two latter have temporary headquarters at Oxford, and Mr. McKinnie is at Greensboro.

Mr. K. S. Nissen, B.E., 1922, is with S. J. Nissen and Company, manufacturers of vehicles, Winston-Salem.

Mr. H. M. Shaw, B.E., 1922, is with R. G. Lassiter and Company, Oxford.

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Editor.....TAL H. STAFFORD
Business Manager.....E. B. OWEN

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All communications to ALUMNI NEWS should be addressed to E. B. OWEN, Registrar, or to Tal H. Stafford, Alumni Secretary, State College Station, Raleigh, N. C.

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OLD TIMERS RETURN FOR WORK

Twenty-five years ago Messrs. A. M. Dickinson, of Fremont, and Z. V. Blount, of Faison, entered State College. Now, after a quarter of a century of farming in their respective communities, both are again students at the College where they are registered for the course in cotton classing, which is given during the summer term.

The broad science of agriculture is constantly changing. New facts relating to practically every phase of this vast industry are gathered almost every day by scientists and investigators. In so many cases the farmers of the State fail to make use of the giant storehouse

of knowledge that has been assembled by the College and experiment station, but this condition is gradually changing, and those who secure their livelihood from the soil are beginning to realize that to succeed one must keep abreast with the times.

In the several short, practical courses in agriculture given by the College throughout the year there appear the names of several former students of the institution who have come back to get fresh inspiration and new ideas. The personnel of these classes is changing too, for more and more the older men of the State, men who have spent long years in doing the purely routine things on the farm, are coming to the College to learn about those things which lift agriculture from mere drudgery and place the business of farming on the same plane with other professions.

SUMMER SCHOOL DELEGATION FROM HALIFAX CO. MAKES GIFT TO MEMORIAL FUND

At the Fourth of July Celebration at the Summer School, Halifax County won the cash prize of ten dollars offered by Mr. Frank M. Harper, of Raleigh, to the North Carolina county putting on the best "stunt." The following correspondence shows the disposition of the prize:

July 8, 1922.

Mr. E. B. Owen,

Treasurer Alumni Memorial Fund,
State College Station, Raleigh, N. C.
My Dear Sir:—In connection with the events of July 4 Mr. F. M. Harper offered a prize of \$10 to the county presenting the best "stunt." This prize was won by Halifax County.

On yesterday evening Mrs. Daisy C. Whitehead, who wrote the poem for the county, and represented the county, handed to me the \$10 prize and asked that it be used in the erection of the monument. I take great pleasure in handing it to you for the purpose indicated by the county.

With best wishes,

Yours cordially,

W. A. WITHERS, *Director*.

July 8, 1922.

Mrs. Daisy C. Whitehead,
State College Station,
Raleigh, N. C.

Dear Madam:—Dr. Withers has handed me a letter dated July 8, also cash to the amount of \$10, which he tells me you and your associates from Halifax County have so kindly donated to the Tower Fund.

I assure you that all the members of the Memorial Committee appreciate your thoughtfulness, as well as the amount of money which you have given to the fund.

Thanking you personally, and for the Committee, I am

Very sincerely yours,

E. B. OWEN,
Secretary-Treasurer.

M. M. GLASSER, B.E. '1908, INVENTOR OF NEW ELECTRIC FAN

M. M. Glasser, an electrical engineer, has developed an electric fan designed to take the place of two electric ceiling fans. It consumes less than one-half the amount of electric current that one fan does, and distributes the air over three to eight times the area. It also eliminates a great many of the objectionable features that the present make of fan possess. At present the fan is being demonstrated at the Charleston Real Estate Exchange, at 64 Broad street.

For about twenty-five years efforts of the greatest electrical engineers and inventors in America have been unsuccessfully directed to the problem of designing an electric fan which would eliminate the present objection to the standard ceiling fan now used all over the world.

Recently after patient investigation and analysis, and after having tested out models, M. M. Glasser, an electrical engineer and a native of Charleston, has invented an electric fan that has solved the problem and has received the endorsement and approval of the best and most successful engineers in America.

This new invention should immediately revolutionize the electric fan industry, and the fact that it is fully and completely protected by patents gives to its manufacturer the entire world as a field.

The manufacturing cost of this fan is estimated to be thirty per cent to forty per cent less than that of the standard ceiling fan, and its operating advantages are said to be fully 300 per cent greater. The saving that it brings about in cost of current should enable it to pay for itself in a single season.

There are at present over one and three-quarter million fans sold annually in the United States alone. A few of the leading mechanical and electrical engineers of the city who witnessed a demonstration of this invention were Mr. Benedict, formerly of the Consolidated Company; Mr. Sorentrun, Mr. Bollman, Mr. Dingle, city engineer; Baxter Allen Iron Works, Mr. MacMillan, and many others.

Quite a few expressed themselves to the effect that they considered it one of the greatest single steps in electrical engineering since the invention of the incandescent lamp.

Mr. Glasser, upon being interviewed, was asked by a very prominent engineer as to what induced him to attempt the solution of a problem that some of the most able electrical engineers in America was unable to solve, he quietly replied, "the people needed it."

Mr. Glasser intends to exert every available means within his power to make the city of Charleston the production center for this enterprise. It is estimated that once an enterprise of this nature is fully established it should give employment to thousands of people.—*Charleston (S. C.) American*.

Splinters From North Carolina Pine

Clipped off by A. M. Fountain, Company "E", North Carolina State College

(Editor's Note.—These "splinters" were published in the *Camp McClellan Courier*, the weekly newspaper of the Fourth Corps Area R. O. T. C. camp at Camp McClellan, near Anniston, Ala. About 100 members of next year's Senior Class of the College are in training there this summer. Mr. Fountain is the new editor of the students' paper, *The Technician*.)

Sick Report a La Poet

Surgeon: Give me your name, organization, and trouble.
Vick: Vick, R. E.
Company "E,"
R. O. T. C.,
State College, N. C.
Bad eye, sore foot, and ruptured knee;
I think that's all that's wrong with me.
Surgeon: Some iodine and one C. C. Will fix you up, it seems to me.

In the Pit

Say, Dick, what time is it?
Dick Hill: You don't need to know that. You're not going anywhere.

For Inspection

Hey, Shag, what do we have to have in our packs?
Shag Johnson: Pair of underwear and suit of socks.

The Last Long Mile

Company "E" (singing "Swing Low, Sweet Chariot, Coming for to Carry me Home").
Private Parker (trudging in dust): It'll have to swing d—n low to get me now.

In the Mess Hall

Private: Hey, Vick, get us some more bull.
Vick (on K. P.): Here it is. Grab it and growl.

Those Lip Eyebrows

Private No. 1: Why are these new mustaches like baseball games?
Private No. 2: That's easy—mine on each side.
Private No. 3: Gosh! Mine couldn't play checkers.

Before We Came to Camp

Before we came to camp our class Was entertained for days With endless bunk and tons of gas Of pleasant camp-life ways.

They painted up in colors gay
The pleasant mountain tramp.
And how three months we'd like to stay—
Before we came to camp.

They said that every single night
We'd have free movie shows,
And week-ends we would have the right
To wear our Sunday clothes.
They told us every girl we'd meet
Would be a social vamp
Who'd win us by her manners sweet—
Before we came to camp.

They said we'd have the evenings off
For rest or work or play,
And that with every sneeze or cough
We'd drill no more that day.
And when we wrote our girl the news
They'd hand each man a stamp,
While husky porters shined our shoes—
Before we came to camp.

They said we'd have so many cooks
We'd have no more K. P.,
While all the corners, jams, and nooks
Would have ice cream and tea.
And from this store the cook would steal
And hand to us, the scamp,
The things we like for every meal—
Before we came to camp.

And when the range we went to find,
Each squad would have a truck,
With mules and niggers close behind
To help, in case we stuck.
While every tent would be supplied
A big electric lamp,
But now we know somebody lied—
Before we came to camp!

ZIPPY MACK, '23.

"E" Company Notables—And Others

No doubt every company has a long list of great men, but we of "E" Company feel that we have a bunch that can compete with the best of them. To begin with, we have the three greatest American orators, Calhoun, Clay, and Webster, the latter of whom we prize so highly that we have placed in his tent as guardians two men who are Stout and Strong. Then we have the Presidents, Buchanan, Johnson, and Wilson, to say nothing of Senator Underwood, Speaker Clarke, and the Merimac hero, Hobson.

Aside from these nationally known men, we have quite a collection that will help make our camp life enjoyable. Alabama has plenty of sunshine, but we have with us a small Wray from North Carolina. We left the Ford at home, but we have a John and a Henry, and to make it complete we brought along our own good Rhodes. Thus fitted out, and well groomed by our Barber, any of us can, because of our permanent Furlough, take a trip West, and feel confident that if we get Gay and

land in the lockup, the Company will supply Bibles for our release.

Then for our home life we have a Baker who can prepare Graham crackers fresh and Crisp, and a Butler, who, with the convenient Broome, can remove any Webb that may appear in the household. We also have with us a Carpenter, who has as his helpers that famous trio, Thomas, Dixon, and Harry. We have on our lawn no flowers, but we have a fragrant Blume, and in place of the usual orchard we have a variety of Groves, including a Musgrove. We can Mock the drought, as our water supply is very adequate, issuing from a Fountain and some Wells. Our belongings may be made safe by the use of the lock and keys, and if our trousers need mending, we shall not lack for thread, as we have a Skeen of our own. Nor shall we ever lack for leadership, as we have with us both a King and a Commander, and even our Captain Hath-a-Way of making us keep Stepp. Can you blame us for being proud of our organization?

A COW WITH A COLLEGE TRAINING

In the purebred Jersey herd at the College there are three Gold Medal Cows. There are only six of these prize-winners owned by all the colleges of agriculture in the United States, and half of them are right here at North Carolina State.

The following editorial from the *Wall Street Journal* about one of these bovine aristocrats is of interest:

"A few years ago a young lady of the bovine genus appeared at the State College of North Carolina. Her birth certificate from the American Jersey Cattle Club opened the gates to her. Now, after three years of effort, see what the college course is doing for her. The first year she produced 452 pounds of butter; in her third (or junior) year she produced 13,773 pounds of milk with a fat content equal to 932 pounds of butter. This is five or six times what the common cows do, and many cannot even pay their board.

"The work of this college in coaxing \$500 worth of butter from this cow in one season shows that in our 24,000,000 dairy cows is a source of wealth that makes the fabled mines of Golconda look cheap. Last year their product was worth \$2,410,000,000. What would it amount to if all our cows had this one's advantage of birth and breeding, and a college training?"

Mr. Frank P. Huskin, B.E., 1921, has been transferred by the American Telephone and Telegraph Company from Atlanta to Chicago. His permanent address is 311 W. Washington Street. At present Mr. Huskin is with a surveying party at Kent, Ohio, engaged in laying out the line for the New York-Chicago cable.

Mr. J. B. Edwards, Class of 1920, who is teaching near Lincolnton, is taking work in the Summer School.

FARMERS' AND FARM WOMEN'S CONVENTION, STATE COLLEGE, AUG. 1, 2 and 3

The Farmers' and Farm Women's Convention will be held at the College August 1, 2 and 3.

Some of the prominent speakers are as follows:

From Outside the State

Hon. A. F. Lever, author Smith-Lever Bill.

Hon. Henry C. Stuart, ex-Governor of Virginia.

H. S. Mobley, International Harvester Company.

Roland Turner, General Agricultural Agent, Southern Railway.

J. R. Howard, President Farm Bureau Federation.

Mrs. Charles Schuttler, of Ohio.

Within the State

Hon. Robert N. Page, ex-Member Congress.

E. C. Branson, Professor Rural Social Science, University of North Carolina.

F. P. Latham, State Board of Agriculture.

G. A. Norwood, President Tobacco Growers' Association.

Raleigh

Hon. Cameron Morrison, Governor.
Dr. Clarence Poe, Editor *Progressive Farmer*.

Dr. E. C. Brooks, State Superintendent of Public Instruction.

Dr. B. W. Kilgore, Director of the Extension Service, and several very able speakers within the organization.

There will be demonstrations of the radio, cotton dusting, and others. Reduced railroad fare. Meals 50c. each.

Lodging free (take sheets, pillow slips and toilet articles).

Tuesday, August 1st

Will be "Get-Together-Day." There will be some stirring speeches, followed at night by a community sing and free punch.

Wednesday, August 2d

Will be devoted to Country Life. The topics will include The Home, The Church, The School, Literature.

Livestock and Horticulture will also receive attention on this date, followed at night by a play.

Thursday, August 3d

The keynote of the Convention will be "Coöperative Marketing and Combatting the Boll Weevil." The following coöperative organizations will be represented by officers or others, who will explain just what they are doing: Coöperative Cotton Marketing, Tri-State Tobacco Growers, Peanut Growers Exchange, Truck Growers, Peach Growers, Farm Bureau Federation, State Beekeepers Association.

There will be demonstrations, including The Radio and Cotton Dusting. Reduced railroad fare and 50c. meals at

the State College, with lodging free makes this an opportunity for the farmer to go and take his family for an outing that will be entertaining, instructive and economical.

TYRUS RAYMOND, OF AUGUSTA

(With Apologies)

Mr. R. F. "Strawberry" Jones, B.E., 1910, contributes the following bit of rhyme:

Tyrus Raymond, of Augusta,
By the Eternal Gods, he swore,
That Detroit's royal Tigers
Should be romped upon no more,
By the Eternal Gods he swore it,
And on a trysting day,
He led his clan to the Sunny South
To train them for the fray.

The Tigers' plight was a sad one,
The situation was intense—
A losing combination,
Void of attack or defense.

But up rose the mighty Tyrus,
And in words that resound with a crack
He swears by the Eternal Gods
That he'll bring the Tigers back.

In every nook and corner—
South, East and West, and North—
The enemy were gathering,
Preparing to go forth.
There was Speaker, the mighty Texan,
A man from a fighting land,
Who summoned to his army
A most formidable band.

And again the mighty Yankees,
With a pitching staff superb,
And wielders of the budgeon
Like Ruth, the home-run bird,
And the boys from down St. Louis way,
Who expect with a noble rush
To take that grand old pennant back
To the land of Anheuser Busch.

There were other noted warriors,
Warriors tried and true—
Warriors from old Washington,
Boston, Chicago, and Philly, too,
All gathered for the battle,
All anxious for the fray,
Marking time for the great event,
The ever opening day.

Now back and forth the battle sways,
Horsehide flies fast and thick,
The air resounds with sickening thuds,
For they are wielding wicked sticks,
And in the thickest of the fray,
Like a brave Etruscan,
Rushes back and forth the Georgia
Peach,
Tyrus Raymond, the Augustan.

Now rush the mighty Yankees,
In headlong charge they rush;
They meet the mighty Tyrus;
There's a hush, a silence, hush,
Four times in sweet succession
They strive to hand the book,
But four times in sweet rotation
Their unctious scalps Ty, took.

With the Tigers' claws at last un-
sheathed,

And eager for the tussle,
Led by the fearless Georgian,
Somebody's got to hustle,
He'll ploughing his way like a tractor,
He's headed for the top,
So call out your bravest warriors
If the Georgian you would stop.

He's backed by a mighty army,
And with spirit undaunted, adroit,
Tyrus Raymond, of Augusta,
Is fighting for old Detroit.
Go to it Tyrus Raymond,
Detroit's day you've saved,
And on the shores of dear old Erie
That pennant yet may wave.

"STRAW" JONES.
Sanatorium, N. C.

Marriages and Engagements

B.S., 1921

Mr. and Mrs. M. J. Baker announce the marriage of their daughter, Berty Lee, to Mr. L. Otis Armstrong, on June 7, 1922, Lawndale, N. C.

B.S., 1922

Miss Elsie Huddleston and Mr. William B. White were married at the First Christian Church in Raleigh on June 9. Mr. White will be connected next year with the department of Animal Husbandry of the College.

Ex-Faculty

Mrs. John Malloy, Jr., announces the marriage of her sister, Lillian Elizabeth Lalonde to Dr. Bennett Thomas Simms on Wednesday, June 21, 1922, Corvallis, Oregon. Dr. Simms was formerly instructor in the department of Veterinary Medicine.

Alumni Notes

Mr. Frank Hawks, B.E., 1910, formerly with the N. N. S. & D. D. Co., is now manager of the Dixie Stationery Company, Newport News, Va

Major Henry N. Sumner, A.G.D., B.E., 1909, has been transferred from Porter Military Academy, Charleston, S. C., where he has been Professor of Military Science and Tactics, to Camp Travis, Texas, where he will be Assistant Division Adjutant with the Second Division.

Mr. L. G. Yerby, Class of 1914, is traveling the southern Georgia territory for the R. J. Reynolds Tobacco Company. His address is 235 Taylor Street, Americus, Ga.

Mr. John W. Clark, B.E., 1906, Superintendent of the Erwin Bleaching and Finishing Plant, West Durham, is president of the Weavers' Division of the Southern Textile Association, which holds its annual convention at Anderson, S. C., July 29.

Alumni Notes

Mr. P. K. Ewell, B.E., 1922, has accepted a position with the construction department of the Standard Oil Company, and for the present will be located at Elizabethtown, N. C.

Mr. W. T. Harding, Jr., B.E., 1922, is with Forest E. Wysong, Thrift Homes, room 706 N. 25 West 45th Street, New York City. Mr. Harding is living at corner Olive Street and December Walk, L. I. Mr. Wysong is a State College graduate, Class of 1915.

Mr. R. D. Van Sisk, B.E., 1922, is with the Frick Company, manufacturers of various kinds of machinery, at Waynesboro, Pa.

Mr. R. M. Stikeleather, B.E., 1922, is with the Carrier Engineering Corporation, 750 Frelinghuysen Avenue, Newark, N. J.

Mr. C. O. Butler, a 1922 graduate of pening and H. J. Kihard are with H. J. Ing, will take advanced work at Columbia University in the fall.

Messrs. W. O. Crary and J. E. Fortescue, B.E., 1922, are with the Grinnell Company at North Charlotte. Mr. Crary is in the power plant division, while Mr. Fortescue is with the heating and ventilating department.

Mr. W. F. Graham, B.E., 1922, is in the power plant division of the same company at Atlanta, Ga. Mr. Graham's address is 276 Marietta Street.

Mr. A. C. Hamrick, B.E., 1922, has accepted a position with J. R. Ricks, plumbing and heating contractors, at Asheville, and Mr. W. A. Stillwell, of the same class, is with H. E. Satterfield, engineer-builder, of Raleigh.

Mr. B. W. Williams, B.E., 1922, is with the Southern Cotton Oil Company, Memphis, Tenn.

Mr. G. P. Floyd, B.E., 1922, is with the Southern Engineering Company, of Charlotte. At present he is working on the new reinforcing plant of the company.

Mr. B. A. Brackett, B.E., 1922, is in the drafting room, Carolina Steel and Iron Company at Greensboro.

Mr. T. F. Beamer, B.S., 1922, will engage in farming at his home, Mount Airy.

Mr. Q. E. Colvard, B.S., 1922, will teach Agriculture in the High School at Oakboro, N. C. Mr. Colvard has been taking the work in vocational education during the Summer Term.

Mr. A. P. Cates, B.S., 1922, will farm this year at Mebane.

Mr. J. A. Glazener, B.S., 1922, will teach agriculture in the Ellerbe High School, Ellerbe, N. C.

Mr. John D. Groome, B.S., 1922, will farm at his home, Route 3, Greensboro, N. C.

Mr. L. R. Harrell, B.S., 1922, is Assistant County Agent for Buncombe County, with headquarters at Asheville.

Mr. C. A. Jackson, B. S., 1922, has accepted a position with the Tobacco Experiment Station at Oxford.

Mr. R. M. Kimsey, B.S., 1922, will teach agriculture in the high school at Walnut, Madison County.

Messrs. W. B. Liles and H. E. McComb, Jr., B.S., 1922, will farm this year at Litesville and Hickory, respectively.

Mr. J. F. McLeod, B.S., 1922, will engage in peach-growing at McBee, S. C.

Mr. F. B. Meacham, B.S., 1922, has accepted an instructorship in the department of Entomology and Zoology of the College.

Mr. W. T. Midyette, B.S., 1922, will teach agriculture in the high school at Stonevall.

Mr. E. J. Morgan, B.S., will teach agriculture in the high school at Creedmoor, N. C.

Mr. J. G. Olive, B.S., 1922, will farm at his home near Apex, N. C.

Mr. C. W. Pegram, B.S., 1922, has accepted a position as manager of the creamery at Lenoir.

Mr. E. C. Tatum, B.S., 1922, will teach agriculture in the Mocksville High School, and Mr. A. H. Veazey, of the same class, has a similar position in the high school at Rose, Wayne County.

Mr. W. B. White, B.S., 1922, will be connected with the department of Animal Husbandry next year.

Mr. G. L. Winchester, B.S., 1922, has accepted an instructorship in the Farm Crops Department of the College.

The firm of Michael & Bivens, electrical engineers of Gastonia, has been awarded the contract for the new electric light plant in the city of South Hill, Virginia. The complete installation of sewer, water and electric lights will cost approximately \$85,000. Messrs. Michael and Bivens are both State College graduates, Class of 1907.

The following members of the 1922 Class in Civil Engineering have accepted positions with the North Carolina State Highway Commission: G. T. Barnes, J. H. Blue, G. V. Cherry, B. H. Conner, A. J. Floyd, J. D. Gill, E. B. Harris, H. T. Ivey, D. B. Jenkins, L. R. Legwin, H. S. Lemmond, T. G. Moody,

J. L. Nicholson, J. H. Norwood, T. N. Park, S. H. Strickland, and R. B. Turner.

Mr. W. T. Freeman, B.E., 1922, is with the Southern Engineering Company, Charlotte.

Mr. L. J. Jordan, B.E., 1922, is with L. V. Edwards, civil engineer, Winston-Salem. Mr. Edwards is a State College graduate, Class of 1907.

Mr. P. F. Lancaester, B.E., 1922, is with the Southern Engineering Company, Charlotte.

Mr. W. G. McKay has accepted a position with Gannett, Seelye & Fleming, engineers, Harrisburg, Pa.

Mr. G. W. Mong, B.E., 1922, is with the E. H. Walker Company, Pa.

Mr. N. D. Pierson, B.E., 1922, is with John D. Spinks, civil engineer, Winston-Salem. Mr. Spinks finished College here in 1905.

Mr. T. K. Roberts, B.E., 1922, is with P. R. Ashby, contractor, Charlotte, and Mr. E. G. Singletary, of the same class, is with the Southern Engineering Company of the same city.

Mr. H. H. Weaver, B.E., 1922, is with Gilbert C. White, Durham.

Mr. C. R. Wilson, B.E., 1922, is with the Pennsylvania Railroad Company, Pittsburg, Pa.

Mr. A. M. Worth, B.E., 1922, is with the Southern Engineering Company, Charlotte.

Mr. T. S. Williams, B.S., 1922, is doing the engineering work in connection with the job of guttering driveways on the campus.

Mr. E. R. Betts, B.E., 1922, has accepted a position with the Union Bleaching and Finishing Company, Greenville, S. C. Mr. J. C. Harris is with the same company.

Mr. W. W. Blakeney, B.E., 1922, is with the Cannon Manufacturing Company, Kannapolis.

Mr. W. W. Cantrell, B.E., 1922, is with the Haynes Mills, Winston-Salem.

Mr. H. O. Kennette, B.E., 1922, is with the Mooresville Cotton Mills, Mooresville.

Mr. J. W. Toler, B. E., 1922, is with the Bellevue Mills, Hillsboro.

Mr. R. H. Wilson, B.E., 1922, is with the Mays Mills, Crumerton.

Mr. D. L. Cannon, B.E., 1922, is with the Carolina Power and Light Company, Raleigh.

Mr. J. F. Erwin, B.E., 1922, is with the Kansas Power and Light Company, Kansas, Mo.

INFORMATION ABOUT STATE COLLEGE

Do you know your College? Below we are publishing a few facts about the various departments together with some general information. File this copy for reference.

AGRICULTURE

Agricultural Engineering

Agricultural Engineering, a new four-year course, is already well organized and excellently equipped with improved farm machinery of every kind for thorough instruction. Write Professor R. E. Bosque.

Animal Husbandry and Dairying

This department instructs students in all types and breeds of livestock, teaches them how to feed and care for all kinds of animal life. Write Professor R. H. Ruffner.

Botany

Presentation of fundamental facts about plants with emphasis upon the crop plants. Fungus and bacterial diseases of chief North Carolina crops are studied. Bacteriology is taught. Write Dr. B. W. Wells.

Farm Crops

This department instructs students in methods of crop rotation, crop diversification and crop improvements of all kinds. It gives special attention to cereals, legumes, corn, tobacco and cotton. Write Professor W. H. Darst.

Horticulture

This department instructs in principles and methods of propagation. Plants and nursery practices, pruning and spraying; vegetable gardening, fruit growing, landscape gardening. Write Professor J. P. Pillsbury.

Poultry Husbandry

This department gives instruction in the science of domestic fowl production, poultry disease, marketing of poultry products and other facts pertinent to a thorough knowledge of the great poultry industry in North Carolina. Write Professor B. F. Kaupp.

Rural Life

This department instructs students in the business aspects of farm life, farm credit, marketing of farm products, types of farm leases, etc. It also instructs concerning farm and rural social life, community organization, etc. Write Dr. Carl C. Taylor.

Soils

The Soils Department gives that type of instruction necessary to a thorough understanding of the agricultural industry. It instructs concerning sources, composition, availability and value of various commercial and farm fertilizers. Write Professor M. E. Sherwin.

Veterinary Medicine

This department gives students the necessary knowledge and principles of veterinary hygiene and sanitation. Special instruction is given in the more

common diseases of livestock. Write Dr. W. C. Reeder.

Vocational Education

This department trains young men to teach. It not only gives them an opportunity to gain knowledge in all phases of agriculture, but teaches them how to carry this knowledge to others. Its special mission is to supply the secondary schools of the State with teachers of agriculture. Write Professor L. E. Cook.

Zoology and Entomology

Instruction is given in forms of animals, with special reference to the important economic groups; economic entomology, insects, the friends and the enemies of the farmer. Write Professor Z. P. Metcalf.

GENERAL INFORMATION

Founded 1889.
Number of students first year, 72.
Number of students 1921-22, 1,203.
Number in teaching and administrative staffs first year, 8.
Number in teaching and administrative staffs 1921-22, 106.
Number of graduates (four-year course), 1,325.
Number of matriculates (approximately), 8,000.
The College has 34 buildings.
The College owns 485 acres of land.
The value of the College plant is about \$2,000,000.
The Fall Term, 1922, opens Tuesday, September 5.
The average yearly expense of a student is \$375.

For catalogue, illustrated circulars, entrance blanks, etc., write E. B. Owen, Registrar.

GENERAL COURSES

English, Public Speaking, Modern Language, Mathematics, Physics, Chemistry, Sociology, Military Science and Training.

EXTENSION SERVICE

The Extension Service is the chief agent for carrying the science of agriculture out into the farm communities and into the farms of North Carolina. Every interest of farming from the most technical phase of production to rural community programs is served through this division of the College. Write Dr. B. W. Kilgore.

BUSINESS ADMINISTRATION

The Department of Agricultural Economics and Business Administration was established by act of the Board of Trustees of North Carolina State College of Agriculture and Engineering on May 31, 1921, to furnish business training for agricultural, engineering, and manufacturing students who might de-

sire to combine the technical training of their respective professions with training in business.

The Department has committed itself to the task not only of training men to understand and direct the business aspects of their own professions, but to the task also of training them to understand and successfully function in the great business and civic life of modern society. During the last two years of training the students will be given the opportunity of hearing lectures by successful business men who will be invited to address them from time to time, on the practical application of business knowledge. Write Dr. Carl C. Taylor for information.

ENGINEERING

Civil Engineering

The course in Civil Engineering enables a young man to do his part in advancing our State along material lines—developing its water power, building railroads and public highways, and constructing water supply and sewerage systems for our towns. The student receives a large amount of practical work. Write Professor C. L. Mann.

Electrical Engineering

The electrical industry becomes more essential in our industrial life every year. There is hardly an industry in which it does not take an ever-growing part or render some important service. The ease of control, safety, efficiency and flexibility of this form of power make it valuable, to say nothing of its value in the telephone and the telegraph. Write Professor W. H. Browne.

Highway Engineering

A four-year course for preparing young men to become competent highway engineers, to include thorough instruction in highway bridge design, highway surveying, and railroad engineering in all of its branches. Write Professor Harry Tucker.

Mechanical Engineering

Mechanical Engineering offers thorough instruction in the scientific principles of the foundation of all engineering, with particular regard to the generation and transmission of power and to the principles of the design, construction, and operation of machinery. Write Professor L. L. Vaughan.

Textile Department

This department, which is a fully equipped textile school, contains all the necessary machinery for instruction in manufacturing cotton yarns from the bale to the finished product. Write Professor Thomas Nelson.