THE VALUE OF A TECHNICAL EDUCATION

A young man can make no better investment than in a technical education. Viewed merely as a matter of business, even if he has to borrow the money at interest, he will find that his increased earning capacity will perhaps even the first year after graduation be sufficient to pay the loan. It is a poor business policy to wait to earn money necessary to pay for an education with an earning capacity only one-half or one-third that of an educated man. Every year of untrained uneducated labor represents a direct financial loss. Every boy of ability and ambition whose parents are unable to pay for his education, should get some friend to endorse his note at the bank and begin preparation that will make for greater earning ability and a fuller life. There is no time to lose. The world is looking for one thousand horse-power men and is willing to pay for them. Already there is a surplus of the one-horse power variety.

A college education is no longer a luxury for the rich, but more of a necessity of the poor boy whose parents can give him little or nothing to start on. In earning capacity it represents a capital of from ten to twenty thousand dol-

W. M. RIGGS, B. S., E. M. E., LL. D.
HISTORY OF CLEMSON

In the 80's Captain B. R. Tillman, of Edgefield County, South Carolina, began to advocate, in the News and Courier, the establishment of an agricultural and mechanical college for the education of the sons of the farmers of the State, separate and distinct from the college of South Carolina. To this proposition there was naturally strong and bitter opposition. The hopes of the friends of the separate institution were greatly strengthened in the Spring of 1888, when after the death of Mr. Thomas G. Clemson, his home and farm at Fort Hill became by his will the property of the State, provided it be used as the site of an institution for agricultural education. The acceptance of the Clemson bequest was strenuously opposed in the State Legislature and was carried in the Senate only by the deciding vote of the Lieutenant Governor, William L. Mauldin. This opposition was composed chiefly of the friends of “existing institutions.” Both State and denominational. Governor Richardson did not approve the act and returned it to the General Assembly until November 1889—a year after its passage.

The college opened July 6, 1893 with an enrollment of 301 students, Beaufort and Union being the only counties without representatives in the student body. The total enrollment of students the first session was 556. Only twice, in the twenty years of the history of the institution, in 1895 and 1896, has the enrollment fallen below these figures. The attendance last year—834 was the largest.

In May, 1894, the main building was burned. Exercises went right on—the classes meeting in the chapel, in the chemistry building, in the old mansion, in the experiment station building, in the well house at the old mansion, and under the shade of the trees. The college was very soon rebuilt—the old walls being used.

Clemson has graduated 936 men—in 17 classes—divided according to courses as follows: Agricultural 253; agriculture and chemistry 56; agriculture and animal Industry 74; mechanical and electrical engineering 319; civil engineering 116; chemistry and geology 13; textile Industry 105. To these men, as to the thousands of others who attended the institution but did not graduate, their Alma Mater, like Cornelia, the Roman Matron, the mother of the Grachi, points with pride and declares, “These are my jewels.” Clemson is willing to be known by its fruits.

The college has had five presidents: H. A. Strode, E. B. Craighead, H. S. Hartzog, P. H. Mell, and W. M. Riggs.

Through its class rooms, shops, laboratorizes, drill grounds, and experiment station at Fort Hill, Calhoun’s old home, and through its farmers institutes from mountain wall to seashore, through its farm demonstration work, and its other public service all over the State—South Carolina’s college of agriculture and mechanic arts is steadily pushing and enlarging its great work of bettering the conditions of the commonwealth. Clemson has already grown far beyond the expectations of its founders and earliest friends. Whereunto shall it attain?

A few words about him whose name the college bears—whose foresight and liberality made the school a possibility—may not be out of place in closing this brief communication. Thos. G. Clemson was born in Philadelphia in 1807—the year in which Robt. E. Lee was born—the year in which “Fulton’s Folly” made its first successful trip on the Hudson. At an early age he ran away from home and went to Europe. In Paris he attracted the attention of some men of influence, who secured for him admission into a school of mines and engineering. Graduating there, he went to Washington, and successfully practiced his profession. There he met Miss Anna Maria, oldest daughter of John C. Calhoun, who became his wife. A well known southern sympathizer, he left Washington secretly to avoid arrest; crossed the Potomac with his only son in a small boat, and hurried to Richmond to offer the services of himself and his son to Mr. Davis, the President of the Southern Confederacy. The young man—John Calhoun—was given a lieutenancy in the army—the father was assigned to duty in the
THE MAGNITUDE OF THE COLLEGE.

Clemson College has grown so rapidly that few realize its present magnitude. To begin in the woods and build a city and a College was the task that in less than twenty-five years has been so well accomplished. In 1890 only the residence of John C. Calhoun stood on the land now occupied by the College community. To-day, there are 70 dwellings, 23 principle public buildings, 64 minor buildings, complete water, electric and sewerage systems, and over a mile of cement side walks. The enrollment last session reached the high water mark of 834. The number of teachers and officers is 94, the inventoried value of the College plant over one and a third millions.

The College lands include 1,550 acres, about 600 of which are under cultivation.

The gross disbursements of the College, including all student and federal funds, is over $1,200 per day for every day in the year, and the total for the year reaches nearly a half million. The amount of mail matter sent out by the College is over 35,000 letters and nearly a half million circulars and bulletins dealing with agricultural and allied subjects.

During the twenty years of operation, the College has enrolled 11,572 students and graduated 936. Of these, 383 were in the regular four year Agricultural Courses.

Originally, there were but two courses of study—now there are eleven. In addition to the regular courses, there is a One Year Agricultural Course and a short winter course for farmers. The College maintains 168 four year and 51 one year scholarships, the cost of which, nearly $22,000, is paid out of the current funds of the College.
There is a big and growing demand for well trained men in the various lines of scientific agriculture, and the primary object of the Department of Agriculture of Clemson College is to give instruction in the art of agriculture as well as the fundamental sciences related thereto. Clemson College offers a four-year course in general agriculture, which embraces agronomy, animal husbandry, dairying, entomology, zoology, botany, bacteriology, horticulture, veterinary science, geology, mineralogy, chemistry, and forestry. This course in agriculture is supplemented by work in mathematics, history, English and political economy. In the senior year, students may elect major subjects.

In order to further meet the growing demands for young men trained along practical lines of agriculture, a one-year course has been inaugurated. The purpose of this course is to teach the simple scientific principles upon which good farming rests, and to emphasize the art of good farming. This is not a substitute for the four-year course which leads to a degree.

Clemson has a larger percentage of agricultural students than any other Agricultural and Mechanical College in the country. More than fifty per cent. of her students are taking the agricultural courses.

It would be impossible in a short article to do more than to outline the many activities in which this department is engaged. Aside from the training of students, the Agricultural Department is disseminating knowledge to the people of the State by means of demonstration work, farmers' institutes, special lectures, exhibits at State Fair, circulars, bulletins, and by answering thousands of inquiries by letter.

An important feature of the work of the Agricultural Department is the conducting of scientific experiments, the object of which is to collect data that will be of value to the farmers, truckers, fruit growers and stockmen of the State. The results of these experiments are published in bulletin form.

To carry on the work of the Agricultural Department successfully, many thousands of dollars have been spent on apparatus and equipment. The buildings of the department comprise the agricultural hall, a large brick building; the
THE WORK OF FERTILIZER INSPECTION AND ANALYSIS

No feature of the work done by Clemson College is of greater interest and importance to the farmer than the work which results in keeping the immense amount of fertilizer used in the State up to the standard claimed by them for their manufacturers. If South Carolina had no inspection and analysis, the State would speedily become the dumping ground for inferior goods that could not be sold in other states where the farmers were protected. There is no investment which the farmer makes that brings in so large a return as the twenty-five cents per ton which he pays to insure the quality of his fertilizers. Honest fertilizer manufacturers who are trying to live up to their guarantees never object to the inspection and analysis. In so far as the cost is concerned, since fertilizers vary from one season to another, sometimes as much as $5.00 per ton, the farmer would never know the difference or get the benefit if the tax were taken off. For purposes of inspection the State is divided into twelve districts, each district in charge of an inspector. These inspectors in the discharge of their duty traveled last fertilizer season 38,000 miles, visited 1,697 depots, and collected 2,411 samples of 1,129 different brands of fertilizers sold in the State. These samples are sent to the College to be analyzed by the Chemical Department, who receive the samples by number without knowing what is claimed by the manufacturers to be in them. During the year which ended July 1st, 1,928 samples were analyzed. Two hundred and thirty-five of these fell below the commercial value, as shown by the guarantee. Only 114 of them fell below the 3 per cent prescribed by law.

Out of 1,631 samples of mixed fertilizers, phosphoric acid, and cotton seed meal, 1,464 were the grade claimed by the manufacturers, 189 were of a higher grade, and only 21 were (Continued on Page 16)
Clemson College is founded on a covenant with the people! Back in the 80's when the advocates of an Agricultural College were seeking funds for its support they promised the people that if given the 25 cents per ton tax on fertilizers, they would not only organize and administer an efficient system of fertilizer inspection and analysis, but with what remained would build and equip a College. This proposition was accepted by the people and enacted into law by the Legislature.

The Trustees have lived up to their part of this bargain. For eighteen years the College has not asked for one dollar from the Legislature of South Carolina. The Trustees of the College have not only organized an efficient system of inspection and analysis by which the farmer gets value received in his purchase of fertilizers, and not only have they built and maintained a great Agricultural and Mechanical College, but they have gone a step farther and have sought to carry the College to the people who could not come to it, and to return in direct service all that could be spared over and above the cost of operation and building.

This public service has grown by leaps and bounds. In six years it has been increased more than $44,000. The following list of proposed expenditures for public service during the present fiscal year indicates the extent and variety of the outside activities of the College—

- Fertilizer Inspection and Analysis: $34,966.66
- Extension and Demonstration Work: $20,500.00
- Vet'y Inspection and Tick Eradication: $12,691.00
- Co-operative Experimental Work: $3,125.00
- Crop Pest Commission Work: $2,300.00
- Branch Station (Pee Dee and Coast): $11,980.00
- Scholarships: $22,500.00
- Miscellaneous: $2,450.00

Total: $110,512.66

Large as is this total for public service, five times as much could be used to advantage. There is scarcely any limit to the Demonstration and Extension Work. The College desires to add poultry, live stock, and drainage to its present (Continued on Page Fifteen).
Clemson College maintains two branch experiment stations, one located in the coastal region near Summerville, and the other in the Pee Dee section, within a mile of Florence.

The Coast Experiment Station consists of three hundred acres, one hundred of which have been freed from stumps and tile drained. This drainage system has worked admirably and there are thousands of acres of undeveloped land in South Carolina that can be drained in this way and profitably cultivated.

The results of the experiments being conducted at this station are far reaching in their importance. The soils respond exceptionally well to fertilizers and elaborate experiments are being conducted to determine the fertilizer requirements of the soils of that region. Important rotation and forestry experiments are being conducted, and also experiments with fruits, vegetables and nut-bearing trees, grasses, forage crops, corn, cotton, etc. Splendid results have been obtained from these various tests. Where proper cultivation is given and fertilizers applied, large crops have been obtained. As much as 200 bushels of sweet potatoes, 50 bushels of oats, 50 to 75 bushels of corn and 1 to 1 1/4 bales of cotton have been produced per acre.

The Coast Station is well equipped with improved farm machinery, work animals, barns, tool sheds, an artesian well, and a comfortable residence for the superintendent.

The Pee Dee Station has been established only one year and is not yet fully equipped. This station consists of 200 acres which represent the very best type of land in the State. Every acre is capable of the highest development and can be profitably cultivated. The most elaborate fertilizer experiments conducted in the South have been planned for this station and the conditions there are ideally suited for this kind of work as the soil is quite uniform in type. This present season a number of experiments are under way. The work of this station will embrace experiments along the lines of rotation, cultivation, testing fertilizers, horticulture, plant breeding, stock raising, etc.
ENGINEERING DEPARTMENT BUILDING

CHEMICAL LABORATORIES—AND FERTILIZER INSPECTION DEPARTMENT OFFICES ON RIGHT.
OTHER COURSES OFFERED BY THE COLLEGE

In addition to the Agricultural Courses described elsewhere, the College offers four courses in the following: Electrical and Mechanical Engineering, Civil Engineering, Architectural Engineering, Chemistry and Geology, and Textile Industry. A two year special course in Textile Industry is offered. The equipment for teaching these courses is ample and up to date. The three buildings shown, together with their equipment, are valued at $227,000.

Graduates in the Engineering and Textile Courses hold responsible positions in the Textile and Electrical industries of this and other States.

THE TEXTILE SCHOOL

CLEMSON COLLEGE LIBRARY.

On the second floor of main building—across the front—are five large rooms, now the home of our library, a reference room, three stock rooms and one reading room. There are over 12,000 volumes, classified according to the Durey Decimal system, covering a wide field, philosophy, religion, sociology, philology, natural science, useful arts, fine arts, literature, history biography, and fiction. With open stacks that allow the student to see, examine and choose for himself. No dead wood, all alive up-to-date books on all subjects. About 5,000 government publications full of interest to all who search for facts, and 8,000 pamphlets. We take 78 leading magazines and weeklies also daily and county papers of the latter many are given us, and may we here repeat our appreciation and thanks to all editors who send us their papers, thus, adding much to the pleasure of our students.

In these days of progress "the library" has come into its own and it now forms one of the most important parts of college life and growth.
COLLEGE ACTIVITIES

Y. M. C. A.

"The Y. M. C. A. is the organized sentiment of the student body in favor of high ideals and right living. It seeks to gather together those boys who by training and inclination desire to live a manly, upright life." The Y. M. C. A. this year is trying to make the Association mean more to the boys and has recently installed a moving picture show as a means for clean and pleasant pastime. The game rooms and piano are at the disposal of its members. The Bible study classes conducted by the Association have always been large and successful.

Literary Societies

There are three Literary Societies at Clemson in which membership is purely optional. These societies are doing a good work towards equipping its members as public readers and speakers. Considering the size of our student body, the membership should be much larger and it is hoped that the students will wake up and join our societies. The Chronicle, the chief literary publication of the corps, is controlled by the societies.

Agricultural Society.

The Clemson Agricultural Society has a membership composed of the Senior Agricultural students. Its purpose is to aid its members in acquiring knowledge along all agricultural lines and to keep in touch with the latest developments in Scientific agriculture. The Agricultural Journal published by the Society issues such information as will be of practical benefit to farmers of South Carolina.

A. I. E. E.

The students have organized a branch of the American Institute of Electrical Engineers with a purpose to give the Electrical students here a broader view of their profession and as a means to keep them informed of all late developments along this line. The society holds monthly meeting at which technical subjects are discussed.
THE CLEMSON SQUAD

THE CAROLINA SQUAD
WHY CAROLINA SHOULD WORRY.

Clemson considers herself extremely lucky in having “Bob” Williams and “Rip” Major, two of the South’s most noted football authorities, to handle her wealth of material. The minute that the coaches of the colleges and universities who play Clemson heard that the services of these men had been secured, they began to take Clemson seriously, no matter how easily they had usually counted that game.

These men as coaches and the “New Spirit” at Clemson make good reasons why Carolina should worry—besides the fact that we have these husky gridiron warriors to throw against them:

“HOP” CANDY, (Captain). Aggressive. Very strong and fast. Experienced. This is his last year on the team, so we expect great things of our captain.

Back Field


“CLAIR” WEBB. Most reliable man to carry the ball. Fastest man in the backfield. Great open field runner and line plunger. Brings back punts well and is the steadiest kicker. Third year on team.

“JIMMIE” JAMES. Strong, fearless, and fast. Good field general. Very good on end runs. Third year on team.

“DOPIE” MAJOR. Little “Rip is small, but Oh! my. Plenty of grit and pluck. Never gives up until the whistle blows. Punts well. First year on team.


“ROY” JETER. Light, but very quick and alert at picking openings. First year on team, but with a little more experience he will make a No. 1 back.


“BUCK” PRESSLEY. A good steady line plunger, with plenty of fight. “Buck” has had hard luck with injuries, but he is fast rounding into shape and will be ready for the Carolina game. Second year on team.

“GENE” BARNETT. Dangerous line bucker. Plenty of determination and grit. Played class ball.

“DURY” DURANT. Good tackler. Developing fast. Great things are expected of him. Played on Freshman class team.

“BEN” HAMILTON. Heavy. Tackles well. Captain of last years’ Sophomore team.

“Red” McMILLAN. “Reds” promotion was no surprise to us, because his spectacular open field running against the Freshmen was appreciated by us all.

LEMON. Very fast. Has prospect of making a good backfield man. Played Freshman class ball.

“BROCK” LEWIS. Third year on team. Quick and very fast. Great on forward passes and punting. Doesn’t know what fear is.

“KITTY”, CATHCART. Played class ball two years. He has been out of the game on account of injuries, but is expected to be in fine shape by Thursday.

DUNCAN. First year on field. Good prospects for later in the season.

Line

“JULE” CARSON. With three years experience of Varsity football, we now claim that “Jule” can get as mean as the next man. Aggressive. Passes well and always fights
to the end.

"JOCK' HANVEY. In many respect "Little Jock" reminds us of "Big Jock" the man who helped make Clemson's football famous. "Jock" has played three years of faithful scrub ball and we are all anxious to see the old boy make good. He has certainly made a good start.

"JO" PARKER. Anyone who saw the Auburn-Clemson game can vouch for "Jo's" pluck and fight. This is his second year on Varsity.

"HAROLD" BRISTOL. A heavy conscientious worker. Shifted from guard to tackle. This old boy knows what fight is, and fights until the whistle blows. Second year on team.

"SHORTY" SCHILLETTER. Third year on the team. He was highly recommended for last season All-Southern. Most consistent man in the line. All of the "pep" and fight necessary to bid him high for a berth on the select team this year.

"MULE" LITTLEJOHN. His first name is more appropriate than his last, because he is as hard to move as one of those stubborn animals. Last years experience on guards and class ball developed him into a steady guard.

"CAT" RANDLE. Fast, strong, and a good scrapper. Injuries have kept him from showing his true form, but he will be in fine trim for the coming contest. Second year on team.

SUGGS. A big hefty guard. Anxious to learn. This boy will be heard from in the near future.

BRANDON. Good hard working, conscientious guard that does not believe in defeat. Especially good on defense.

FRAZIER. Shows promise of making a great player as soon as he gains a little more experience.

"BIG" KENDRICKS, a big healthy guard who is working hard to land a berth. If he keeps on adding weight, there is no telling what he can do.

"SMILEY" DesCAMPS. Guard. Very quick and fast, but light. He has had the experience of playing on the Navy Freshman and Clemson Juniors, who captured the cup for 1913.

"GEORGE" OETZEL. A light, but scrappy guard. He is one of the many who have been handicapped with injuries. He played class football for the Juniors.

"DOC" CAUGHMAN. Consistent tackle. Fast and alert. Receives forward pass in great style. This is "Doc's" third year on the team.

"RUMMY" McGill. Splendid on dumping interference and stops everything around his end. Second year on team.

STRIBLING. End. A sure tackle and fairly good punter. He has shown great improvement over last year.

"SKEET" BROWN. Fast, and shows all the necessary scrap and "pep" to make a splendid end. He was captain of last years Junior team.

"FRED" MCDONALD. Good conscientious worker. Improves every day. He has played two years of class ball and one year of "scrub" ball.

JONES. A steady worker who has been kept back on injuries.
FOURTEEN

A SKETCH OF CLEMSON FOOTBALL TEAMS.

Clemson's football career covers nearly a score of years, and in many respects is unique. Except in a few isolated cases, Clemson has developed all of her own material, never having relied upon preparatory schools for men. In only two cases has a first-year man in college won his letter in this branch of sport. Clemson has been a strict observer of the eligibility rules, and has won a reputation in the South for putting out a strictly amateur team.

The Tiger also bears the distinction of losing its entire Football squad for participating in a march to Pendleton on April 1, 1908, when over half the corps was suspended. This fact has a very direct bearing on Clemson's athletic setback, but from present indications Clemson is emerging from this athletic darkness and is fast coming to her own in that branch of sport, which gives a college its athletic rank.

Football was introduced in 1896 at Clemson by W. M. Riggs, Instructor in Electrical Engineering, and he acted as Clemson's first coach. In this first year of football, Clemson won from Wofford and Furman, losing to South Carolina. Though the game was somewhat crude then as compared to now, it was not lacking in fierceness and the material was much more matured. In spite of much excellent material on hand, Clemson did not strike her stride until 1900, in which year she won all of the games in which she participated. This team was composed of the best football material that Clemson has ever turned out, and was captained by Norman Walker, who tipped the scales at 198 pounds, and measured 6 feet 3 inches in his stocking feet. In 1901 and in 1902 Clemson lost only one game each season, the one in the latter year being to her old rival, South Carolina College. In 1901 Clemson ran up her largest score, defeating Guilford College. The 1902 team was one of the lightest teams that ever represented Clemson, and possibly the fastest, being composed of such men as Maxwell, V. Sitton, Hanvey, and Forsythe. The 1903 team also lost only one game, and was probably the best balanced team that ever wore Clemson's uniform. It was on this team that Furtick and Derrick began their football careers. 1904-05 found a wealth of young material, but it did not develop into as formidable a machine as was expected of it. The 1906 team, which might appropriately be called the "Tie Team" is without doubt the best defensive team ever developed at Clemson, and one of the best in the South. This team did not have its goal line crossed during the entire season, but tied three of its games. Clemson's last real football team appeared on the field in 1907, and a right hefty bunch it was, stripping 196 from tackle to tackle.

(Continued on Page Fifteen).

TO "THE FAIR" OF THE FAIR

In after years, when aged and bent
And robbed of joys that youth hath lent,
We count to-day as of the past
Where we must turn for joys at last;
When wasted are forms so proud
That surge to-day among the crowd,
And feebly grown with tottering sway
The step that now so light and gay;
When weakly flows the blood grown cold
That surged erst while from young hearts bold
And dims the eyes that now so bright
Behold with joy the wonderous sight—
Even then a ray of light shall flash
On memory's screen, and swiftly dash
The hanging cloud of somber care
That age has draped so dismal there.

And in its place shall we behold
Old Clemson's flag, purple and gold;
While by it turned with cords of love
The blue and white C. C. above,
And linked with these the first the same,
Nor missing from this scene of yore
The garnet and black of our worthy foe.

The flags beneath, with pensive air
And arm outstretched, a maiden fair—
On either side with jealous eye
A Tiger bold a Gamecock spry.

The scene gives way to one as fair
The trolley's roar, the bright lights glare,
And in and out among the throng
Dash boys in gray with shout and song.

The picture fades—but see again!
A football field, those brawny men,
Far down the field the pig-skin soars
The grand stand sways and rocks and roars.

Again there sounds a bugle call,
To arms they rush, battalions all,
They forward march to hep, hep, hep,
And pass review in line and step.

Just one more scene—but best of all,
The hour grows late, the shadows fall,
A cosy chair, a soft light glows,
A circling arm—but no one knows.

Tis thus shall we in years to come
Find joy again—and there are some
Will need it then—by memory's light
In fair week scenes with pleasure bright.

Camp Simpson then to us is dear,
Columbia's maids, Columbia's cheer,
Our generous foe, and, e'er shall be
C. F. W. girls and the C. C.
A SKETCH OF CLEMSON FOOTBALL TEAMS
(Continued From Page 14)
The only two light men on this team were McFadden and Coles at ends, who made up in speed for what they lacked in size. 1908 found Clemson with only two regulars and a handful of scrubs from which to mould a team. Though all the material had plenty of nerve and some speed, Clemson had lost most of its football knowledge and traditions with the outgoing of the 300 Pendleton Guards, and this season was a failure. Both 1909 and 1910 teams were light and fast, but did not have the physical power to cope with some of the stronger S. I. A. A. teams. 1909 marks Clemson's last win from the University of Georgia, score being 6-0. The 1911 team has the distinction of being the last Clemson team to win from South Carolina University, and all Clemson is watching to see what history will be made in the historical battle with Carolina on October 30, 1913.

CLEMSON'S PUBLIC SERVICE
(Continued From Page Six)
lines of work,—but there are no funds available for the purpose. The College has reached the point where no further public work can be undertaken until a larger financial support is in sight. The fertilizer tax at present is about $230,000 per year, and until this figure increases, no further extensions are possible. More money is needed to meet the outside demands of our people even more than to meet local needs at the College itself. The authorities realize that an Agricultural College must serve all the people, not merely the comparatively few who gather in its halls. The opportunity for service is great, but the opportunity cannot be fully met without greater resources. Any support, however large in itself, is too small if it falls short of meeting every reasonable demand that an agricultural people have a right to make upon their Agricultural College.
Clemson College brings within the reach of every boy the benefits and possibilities of a technical education. It offers him an opportunity to enjoy some of the the good things of life. It provides the way whereby if he have capacity for knowledge he need not live in ignorance, but in self-sustaining, self-respecting citizenship. For such education is no mere badge of aristocracy but a badge of honor—an insurance against that last remaining form of slavery—the drudgery of ignorant and undirected toil. For the real function of education must be to make labor more profitable, more pleasant, and more intelligent and lead men to fuller and better lives.

This is the Mission of Clemson College.

HISTORY OF CLEMSON

(Continued From Page Two)

mining and engineering department beyond the Mississippi. After the collapse of the Confederacy Mr. Clemson and family made their home at Pendleton. Subsequently, he acquired the Fort Hill place after the death of their only children, Mrs. Lee and Calhoun Clemson, who died in a few weeks of each other, the son in a railroad wreck near Seneca, killed while trying to save others, Mr. and Mrs. Clemson agreed to give their property for an agricultural college. Mrs. Clemson herself, it is said selected the site where the Main Building now stands. Mrs. Clemson died in 1875. Thirteen year later—April 6, 1888—at the ripe old age of 81—Mr. Clemson departed this life. Their graves are in the episcopal church yard at Pendleton—not far from the grave of John Edward Calhoun, who in the great agricultural convention at Columbia in 1839, made the motion that tabled a set of resolutions, introduced by William Gilmore Simms, praying the Legislature to provide for a liberal system of agricultural education for the poor boys and girls of South Carolina.

THE WORK OF FERTILIZER INSPECTION AND ANALYSIS

(Continued From Page 5)

It is worthy of mention that the 85 per cent standard of availability for organic nitrogen which is required by the College is higher than that required by any other State in the Union. The chemists at the College are continually working to find the best methods of determining availability and in every way improving the work of analysis.

The cost of the work of inspection and analysis for last year was $31,069.73.
AT THE GAME

Down from their breezy mountain home
A husky bunch is coming.
With sternest zeal, and hearts of steel
They’ll soon put things to humming.
O, Gamecock’s ‘tis no cause to fret,
But why so worried over there?
’Tis this, the Tigers eat you bet
And chicken is their favorite fare.

O, watch them as they leave the camp
With all their banners waving.
They claim the field, nor would they yield,
But eat those Gamecock raving.
A thousand hearts are back of them
To help them on to victory—
A thousand men, all full of vim
To help them win, or fighting, die!

Then rally ’round, ye Clemson men
And cheer the Tigers scoring—
Just watch them fight, ‘tis their delight—
O, Gamecocks, is’n it boring?
And when the victory is won
And the Tigers have been fed,
We’ll march up town and have some fun
And put the featherless to bed.


DONT’S FOR THE FAIR

Don’t fail to go.
Don’t fail to have a good time.
Don’t fail to see the game.
Don’t fail to root all the time.
Don’t get familiar with the cops.
Don’t fail to patronize our advertisers.
Don’t forget the Y. M. C. A. Swimming.
Don’t come back with any kale.
Don’t Miss Shorty’s grub.
Don’t forget the M-o-r-n-i-n-g S-t-a-t-e.
Don’t bother the Western Union boys.
Don’t forget that you are a Clemson Cadet and a South Carolina Gentleman.

SONGS AND YELLS

One-erzipper, two-erzipper, three-erzipper zam
Clemson, Clemson, don’t give a
Hobble gobble, razzle dazzle,
Sis Boom Bah!

Skyrocket!
(Whistle) Boom! Ray! Tigers!!

Siren!
U-Rah! U-Rah!! U-Rah! (whistle) Tigers.

Ray! Ray!! Rah!!!
C—L—E—M—S—O—N!

Ripity! Ripity! Rust,
We are not allowed to cuss;
But dammit to Hell,
We feel so well,
If we don’t we’ll surely bust!

Locomotive
Rah! Rah! Rah! Rah!
Tiger! Tiger!
Rah! Rah! Rah! Rah!
Tiger! Tiger!
Rah! Rah! Rah! Rah!
Tiger!

Clemson, Clemson, rah! rah!
Clemson, Clemson, rah! rah!
Hoo! rah! hoo! rah!
Tiger!

Bow! Wow! Wow!
Chow! Chow! Chow!
Who are we?
Who’s from Clemson? We! We!! We!!!

Clemson! Clemson! is our cry!
V—I—C—T—O—R—Y!

Hi—Hi—Hi—
Clemson! Clemson!! Clemson!!!

Bring On Your Old Clemson Banner.
Air: “Bring Out Your Old Gray Bonnet”

Bring out your old Clemson banner
In quite a lively manner
And our football team we’ll cheer again
Let each man remind them
That we’re all behind them,
For you bet they’re going to win!
TO A "GAMECOCK"
(On his learning to crow, Oct. 31, 1912)
(With apologies to a "Mouse.")
BY A "TIGER"

Poor, little, strutting, crowing chicksie,
What a proud feeling in thy breastie;
Thou need na get so gay so hastis,
Wi crowings high.
Your foolish boasting, little chicksie,
Makes me sigh.

You’re truly glad that my dominion
Has lapsed for once in thy opinion,
ThSou mayest dance,
When thou, little chicksie, beatheth Clemson
Once by chance.

I doubt not, whyles, but thou may win,
What then? Poor chicksie, be not vain;
A score or two in many a game,
Is a sma request.
I’ll give my blessing with the same,
Then, take all the rest.

That wee bit margin in the score,
That thou hast shouted gladly o’er and o’er;
Will be drowned by the Tiger’s roar
Before the year is out;
So then, think not you’ll do it as before
Wi’ out the least o’ doubt.

But chicksie, thou art no thy lane
In proving foresights may be vain!
The best laid plans of chicks and men,
Gang oft a-gley,
And lea’e us nought but grief and pain
For promised joy.

Still thou art blessed, thou can’t not see,
The present only toucheth thee;
But och! I backward cast my e’e
On other score;
An’ forward, tho’ I kannna see.
I guess come no more.

This is the best day the world has ever seen. Tomorrow will be better.

ALUMNI
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Start Now and Get All the Football Games.
Mailed to any address
$1.00 FOR THE YEAR
WILL THE TIGERS WIN?

The most burning question in South Carolina today is "Will the Tigers or the Gamecocks win when for the twelfth time they line up against each other this afternoon?"

Of the games played thus far, Carolina has won three and Clemson 7. We expect the Tigers to win for the following reasons. For the last three years football at Clemson has not been up to standard. A school with 750 men, with an ideal climate for athletics, with no outside distractions, and with the life regulated by military discipline, should have a football team the peer of any in the South.

Many factors have contributed to this general slump. These have now been removed and this Fall has seen a decided advance in all things that make for strong teams. For the first time in many years the best men in college have come out for the team. The material is big and rangy. There have been two and sometimes three men striving for each position. The team which plays today is the best that can be picked from this wealth of material. The practice period for football has been lengthened an hour by closing the afternoon session at four and holding classes on Saturday morning. For this reason the present team, although in many respects a green one, knows more football, has been better coached, and is in better condition at this time than any of it's teams in recent years.

The Athletic Association has spared no expense in getting the best coaches in the South. Bob Williams is a veteran. He has always turned out a good team and many of them have been of championship caliber. The second time Clemson was beaten by Carolina Williams coached the Carolina squad. Rip Major, a former Clemson man, who later became an Auburn and all-southern star, is the assistant coach. What both of them together don't know about football is not worth knowing. The greatest improvement at Clemson has been in the spirit. The boys are fighting. They are fighting on the team and on the side-lines. There will be no quitting today. It will be fight, fight, fight from the kick-off until the final whistle. If any man gives indication of losing this spirit there will be a dozen substitutes only too eager for a chance to get into the game.

For these reasons we answer the question "Will the Tigers win?" in the affirmative. The material this year is far better than last. It is better coached, better trained, has better spirit, and is better supported. Carolina will have to go some to win today. If she does—to her all the more glory and honor.

COLD WEATHER IS COMING!

YES, EMPHATICALLY YES!

You will need a good sweater—How about one from ARTHUR JOHNSON


These goods are a little better than the so-called BEST.

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Overcoats a Specialty. Remember the Brand DOUTHIT & JAMES, Agents. Room 62.

"Strouse's High Art"
IT'S BAD, BUT IT MIGHT BE WORSE

At half past six, the bugle calls;
And to reveille all must go,
To shiver and shake in the icy blast,
With frost on the ground like snow,
It's bad, but it might be worse.

For the bugle might sound at six a.m.,
Or the frost might really be snow;
Then, again, you might be two seconds late
And drill from five to six you know.
Indeed, it might be worse.

On Saturday afternoon at two o'clock sharp
Senior private, get your belt and gun,
And hike right off to that extra roll call,
Don't risk being late, but run,
It's bad, but it might be worse.

You might be sick, you might be dead
You might have to walk post;
Or those senior privileges be taken away,
Of which you so love to boast,
Yes it could be a little bit worse.

There are a thousand things you had rather not do,
And some that make you cuss;
But when you are inclined to raise a kick,
Think of this before you fuss:
It's bad, but it might be worse.

Clemson College Barber Shop
Room 23, Barracks No. 1.
An up-to-date Barber Shop in Barracks
Special Monthly Rate to Cadets
Shaving Tickets Also.

J. E. Means, Prop.

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Army, Navy, Letter Carrier, Police,
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And the largest assortment and best quality of

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Including those used at the United States Military Academy at
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Prescribed and used by the cadets of Clemson College.

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Manager to send "The Tiger" to you.

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Degree Courses—Agriculture, Chemistry, Civil Engineering,
Architectural Engineering, Textile Engineering, Mechanical
and Electrical Engineering.
Short Courses—Two Year Course in Textiles, One Year
Course in Agriculture, Four Weeks Winter Course for Farmers,
Four Weeks Winter Course in Cotton Grading.
Cost—Approximate cost for board, room, lights, heat, water,
laundry, uniforms, and all fees for the session, except tuition, $134.
Tuition, $40 additional.
Scholarships—168 four-year Agricultural and Textile
scholarships. Age requirements 16 years or over. 51 one-year
Agricultural scholarships. Age requirement, 18 years or over.
Value of scholarships, $100.00 per session and free tuition. Scholarship
and entrance examinations will be held July 10, at each County
court house in South Carolina. For information, write at once to
W. M. Rigs, President, Clemson College, South Carolina.

Clemson College expends over $100,000 annually for State work,
such as Fertilizer Inspection and Analysis, Veterinary and Ento-
ological Inspection, Tick and Cholera Eradication, Agricultural
and Textile Scholarships, Branch Stations, and other lines of pub-
lic service.
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In the Point of service and quality, we shall endeavor to offer you absolute satisfaction in our soda fountain drinks. Every modern method that will add to your comfort, accommodation and convenience is to be found at our fountain. Plenty of floor space, comfortable chairs and large glasses of delicious creamy soda. Expert mixing methods are employed in order to insure a most delightful blending of flavors. We give you soda drinks that are fit to drink, safe to drink and fully satisfying.

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Leave your work with O. H. Beymer. He will deliver your work promptly.—ROOM 70.

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Five Acre Fig Orchard
Almost Free

Your last opportunity to secure one at these figures—850 planted, growing trees and fee simple title to the land; all on the installment plan.

Initial Payment $ 320
$10 per month 1st year 120
$10 per month 2d year 120
$20 per month 3d year 240
$25 per month 4th year 300
$41.67 per month 5th year 500

Total $1,600

YOUR ORCHARD FREE!

We cultivate your orchard for five years under experts, and you receive two-thirds of all the fruit, even before you pay for the land. We guarantee three cents per pound for the fruit grown on your orchard. Your profits should be:

The 3rd year—25 lbs per tree or $637.50
The 4th year—40 lbs per tree or $1,020.00
The 5th year—80 lbs per tree or $2,040.00

Total $3,697.50
Less one-third for gathering $1,232.50
Less cost of orchard 1,600.00

Net cash profit over cost of orchard $865.00

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