March April 1941
Vol. XIX No. 4
Arch of Administration Building
Continuing the Geographical Alumni Directory
Ceramics Building
Georgia School of Technology

"A Technical School with A National Reputation"

THE GEORGIA SCHOOL OF TECHNOLOGY offers to young men of ability and ambition a training which will fit them for positions of responsibility and power.

The national reputation of this institution is based not on claims, but on results. Its greatest asset is the record being made by its alumni in the productive work of the world.

Complete courses in MECHANICAL, ELECTRICAL, CIVIL, CHEMICAL, TEXTILE, GENERAL and CERAMIC ENGINEERING, ARCHITECTURE, AERONAUTICAL ENGINEERING, INDUSTRIAL MANAGEMENT AND PUBLIC HEALTH.


For Further Information, Address
THE REGISTRAR
Georgia School of Technology
ATLANTA, GEORGIA
Communicate With Representatives

In the January issue of the ALUMNUS, we published a roster of the 1941-42 Georgia State Senate and House of Representatives. The publication of the roster was in keeping with like procedure by us for the past number of years, in connection with our requests for each alumnus to communicate with his state senators and representatives in the interest of Georgia Tech.

Affairs pertaining to the operation and maintenance of the branches of the University System must, of course, go through the Board of Regents. The very important matter, however, of appointments to the Board of Regents is not in the hands of the Board, but is one of the many and fine duties of the Governor of Georgia.

During his former administration, Governor Tal- madge kindly increased the Georgia Tech alumni representation on the Board of Regents; and during the succeeding years the number has been augmented until, at this writing, there are four Georgia Tech alumni on the Board, as follows:

Willis W. Battle, Columbus, Ga., State-at-Large.
Horace G. Caldwell, Eighth District—succeeding John W. Bennett, deceased, Augusta, Ga., Term expiring July 1, 1943, to be confirmed.
R. Donald Harvey, Lindale, Ga., Seventh District. Term expires July 1, 1941.
L. W. Robert, Jr., Atlanta, Ga., State-at-Large. Term expires July 1, 1942.

We sincerely hope that our alumni will remain on the Board, but if there are to be any changes, we earnestly trust that other Georgia Tech men will be appointed and that the number be further increased in keeping with the size and importance of the college.

Officers and other members of the Board of the Georgia Tech National Alumni Association, committees, and members of the Alumni Advisory Council from the State District have already interested themselves in the matter and have been assured of due consideration.

It is certainly not the plan to deluge anyone with letters or wires; however, from the host of the Governor's friends among our numbers, it is hoped that you will suggest some of them for appointment. Kindly confer, at your earliest convenience, with our alumni council member in your district and give him the benefit of your advices on the subject.

District members of the Georgia Tech Alumni Advisory Council, Are:

First District—Brian S. Brown, Savannah, Ga., President Georgia Rosin Products Company.
Second District—Ralph A. Puckett, Tifton, Ga., Vice Pres., Commercial Loan & Discount Co.
Third District—William C. Pease, Columbus, Ga., Flourney-Pease Insurance Agency.
Fifth District—Forrest Adair, Jr., Atlanta, Ga., Real Estate, a member of the State Senate.
Sixth District—W. Elliot Dunwoody, Jr., Macon, Ga., W. Elliot Dunwoody, Jr., Architect.
Seventh District—Robert A. Morgan, Rome, Ga., Moore, Thies & Morgan, Textile Engineers.
Ninth District—W. H. Slack, Jr., Gainesville, Ga., Auto Parts Company.
Nominations For National Officers

In compliance with the action that was voted upon and passed by the alumni, several years back, a nominating committee has been named to propose national alumni officers for the term of office, beginning in September of this year.

Mr. George T. Marchmont, Southern District Manager, Graybar Electric Company; Mr. C. L. Emerson, Vice President and Chief Engineer, Robert and Company, and Mr. George W. McCarty, Vice President, Ashcroft-Wilkinson Company, were asked by the Board to serve on the nominating committee, with Mr. Marchmont as chairman. These prominent alumni were former presidents of the Alumni Association but are not on the Alumni Board nor have they been for some years.

To succeed your present and able administration which is finishing its second and concluding year, the committee has unanimously nominated and recommended for your consideration a most prominent group of active, efficient alumni, intensely interested and experienced in Georgia Tech and its alumni affairs; and it is a pleasure to announce the nominations as follows:

Robert B. Wilby, ’08, for President. Mr. Wilby is President, Wilby-Kincey Service Corporation and Wilby Theatres, throughout the Southeast. He took the E.E. course and was a leader in campus activities. He has given most generously of his time and ability as Vice President of the Ga. Tech National Alumni Association; contributes most liberally and graciously to Georgia Tech affairs, and is prominent throughout the nation in business and civic undertakings.

Jack Adair, ’33, for Vice-President. Mr. Jack Adair is President of the Adair Realty and Loan Company. He is a son of Georgia Tech’s great and immortal friend, “Mr. George” Adair. Outstanding in Georgia Tech affairs during and since his college days, he is also a prominent leader in civic activities, a liberal supporter and experienced in the college and alumni work.

Robert A. Morgan, ’09, for Vice-President-at-Large. Mr. Morgan is a member of the firm of Moore, Thies & Morgan, Textile Engineers, Rome, Ga., and Charlotte, N. C. He resides in Rome and is the popular and efficient president of the Rome Georgia Tech Club. He has also been president of several of the largest civic clubs in his city and is very active and interested in the welfare of the college.

Chas. R. Yates, ’35, re-nominated for another term as Treasurer. This position requires quite some experience in alumni office affairs. Exceptionally cap-

Architect Wins Beaux-Arts Prize

In the first national contest of student architecture problems ever to be held in the South by the Beaux Arts Institute of Design of New York, Vernon M. Shipley of Georgia Tech received the highest award, the Kenneth M. Murchison prize of $50.00.

The jury, composed of twenty leading architects from the southern section, met in the Naval Armory at Georgia Tech on Saturday, February 15, to judge the 162 drawings submitted from 18 architectural schools of the United States. Among the judges were William E. Shepherd, New York architect and chairman of the board of directors of the Institute; Rudolph Weaver, regional director of the A.I.A. for the Southeast and head of the architectural department, University of Florida; Walter Burkhardt, head of the architectural department, Alabama Polytechnic Institute; and Robert L. Anderson, department of architecture, Clemson College.

In addition to the prize-winning design, the drawings of Z. L. Yeates of the University of Pennsylvania and T. Y. Gorman of Princeton received first mention, and that of W. Conner Thompson of Georgia Tech received a first mention.

The judging was of solutions to the class “B,” five-week problem, entitled, “A Consolidated Ticket Agency.” Functionalism was the theme of the plans for distributing tickets for air, land, and water travel.

Shipley, a senior in the architectural department and a student of Professor Matt L. Jorgensen, is from Savannah. (Technique.)

Nominations (Cont’d)

able and efficient, famed in national and interna-
tional golf. Mr. Yates is now Assistant Vice Presi-
dent of the First National Bank of Atlanta. He is
active in all civic undertakings and those of his college
and college affiliations, in particular.

All active members of the Alumni Association are
qualified and entitled to make any nominations of
active alumni, as desired, and to vote on the nomi-
nees, of course, as will be published in the next issue
of this publication.

Those of you who desire to send in confirmation of
the nominations, as announced, or other nominations,
are kindly requested to mail them to the National
Georgia Tech Alumni Association, Georgia Tech, by
April 10, 1941.
O. H. Longino, 1907, Appointed Brigadier General

Alumni of Georgia Tech, the faculty, and students are very proud of the recent fine and excellently merited appointment of former Colonel O. H. Longino, B.S. in E.E., 1907, to the rank of Brigadier General, U. S. Army.

Born and reared in Atlanta, General Longino graduated from Boys' High School in 1903 and received his degree from Georgia Tech, as stated, in 1907, before he was twenty years old.

He stood the regular Army examinations and entered the military service from civil life in 1908 when he was commissioned a second lieutenant in the Coast Artillery Corps. His first station was at Fort Moultrie, S. C. He served his second tour of duty at Fort Screven, during which time he married the former Miss Lila Evans, of Savannah.

General Longino was captain of the battery that fired the first shell of the A.E.F.'s Coast Artillery guns during the World War. He served from 1928 to 1934 as commandant of the R.O.T.C. military unit at Georgia Tech.

General Longino is a graduate of the Army War College, of the Command and General Staff School and of the advanced course of the Coast Artillery School, and for the past year has been in command of Fort Crockett, Texas. He has been ordered transferred to command the Thirty-sixth Antiaircraft Brigade at Camp Edwards, Mass.

Member of a prominent family, General Longino is the son of Dr. and Mrs. T. D. Longino, former residents of Atlanta, who now reside at Red Oak. Former chairman of the board of trustees of Grady Hospital and former member of Atlanta's city council, Dr. Longino was one of the city's best known physicians during his practice here of more than 50 years. Dr. Longino saw service with General Joe Wheeler's Confederate cavalry during the War Between the States.

Alumni Biographical Survey

All of you are undoubtedly familiar, by now, with the alumni information cards which we have been sending to you for the past few years. With your consent, we shall continue to ask for the information as outlined on the cards, with the idea of keeping the individual data up-to-date and with the hope of reaching each alumnus of Georgia Tech.

The completed cards are of manifold help to us and to the college and our Geographical Alumni Directory is mainly compiled from them.

Considerable work is being done in our offices and elsewhere, at this time, by the Works Project Administration, in co-operation with the state and the alumni offices, on an index of the alumni of Georgia colleges. Many of you may be interviewed, before long, if entirely convenient and satisfactory to you, in this connection.

We also hope to obtain inexpensive gloss or other photographs, in due course of time, from all of the alumni for our permanent record files. It is not our intention by any means, however, to ask any of you to give any time to this particular feature, nor to go to any added expense in the matter.

A large number of the leading universities and colleges in the country are working on similar plans and the idea seems to be successful and it is growing rapidly.

Alumnus Heads State Architects

George Harwell Bond of Atlanta, Georgia Tech, 1913, was elected president of the Georgia Chapter of the American Institute of Architects at the recent annual meeting held January 13, 1941.

Other officers elected were Joseph W. Cooper, Jr., Atlanta, First Vice-President; John Cobb Dennis, Tech, 1913, Macon, Second Vice-President; Professor Harold Bush-Brown, Georgia Tech, Atlanta, Secretary, and Professor J. H. Gailey, Georgia Tech, Treasurer. Samuel Inman Cooper, A. N. Robinson, Sr., and J. Warren Armistead, Jr., Tech, 1922, with the above officers, form the personnel of the Executive Board.

With the exception of the Messrs. Cooper and Robinson, all these men are either alumni or members of the faculty of Georgia Tech, as shown.

Dr. Brittain On U. S. N. A. Board

Dr. M. L. Brittain has been appointed by President Franklin D. Roosevelt to serve as a member of a board of visitors which will inspect the U. S. Naval Academy on April 28. Representatives Carl Vinson, chairman of the House Naval Affairs Committee, and Representative Robert Ramspeck are the only other members from Georgia.

This is the second time that Dr. Brittain has had the distinction of serving as a member of this group.
Defense Suggestions Wanted

The State Engineering Experiment Station at Georgia Tech has been asked by Professor J. E. McDaniel, Regional Adviser, Engineering Defense Training, National Defense Advisory Commission, to canvass all members of the faculty, their students, friends, and acquaintances, urging them to present to the Experiment Station any discoveries and mechanisms which appear to have value for use in our national defense. Such suggestions and inventions will be forwarded to the National Inventors Council.

The National Inventors Council has been created by the Secretary of Commerce, with the concurrence of the President of the United States, to function in close collaboration with the military and naval branches of the Government, and is to serve as a clearing house for suggestions and inventions relating to national defense only. All suggestions and inventions should be accompanied by the following information:

1. Full name and address of sender.
2. Is the suggestion in use, worked out in detail, or an idea or device requiring further development?
3. Is the invention patented? If so, forward a copy of patent.
4. Is an application for the invention pending in the United States Patent Office? If so, state serial number and filing date.
5. Is the sender the sole inventor?
6. Has the sender assigned to any persons or corporation any rights to the invention?
7. Is the sender acting as agent for the owner?
8. Has the sender submitted the disclosure to any other government department? If so, identify it, and name the officer(s) with whom correspondence has been conducted.
9. Has the invention been divulged to the government of a foreign country? If so, name it.

It is essential that all suggestions and inventions be presented in writing and in such detail that the objectives and the proposed methods or means of carrying them into effect be definitely and clearly stated. Each suggestion should be made in a separate document, and, as no documents will be returned, it is suggested that duplicate copies of all material submitted be prepared and signed in the presence of witnesses. Do not submit models nor chemicals unless directed to do so.

Persons submitting suggestions and inventions are advised to protect their interests in any invention presented by securing patents, as no rights are secured by submitting suggestions or inventions to the National Inventors Council.

All communications in reference to this announcement should be addressed to the State Engineering Experiment Station, Georgia School of Technology, Atlanta, Georgia.

Briaerean Alumni Support Fund

At the last annual Briaerean alumni banquet, held in November, the alumni pledged their support to the foundation of a Briaerean Loan Fund for needy co-op seniors. With this encouragement as a spur, the active members of the society have been working hard to build a fund and put the idea into practice. Though the building up of a fund from contributions by alumni and by the society is a slow process, the Briaereans hope that the fund will be actively functioning by the beginning of the next school year.

Interesting Report From Chicago

Referring to our various correspondence, during the past year, George McFarland, M.E. 1932, Mechanical Department, The Pullman Company of Chicago, sent us a carefully compiled roster of Georgia Tech men in the Chicago area, and wrote most interestingly, as follows:

"At one of our recent meetings we had all the members present fill out the National Alumni Association membership cards and these are enclosed for you. The cards were filled out by only those men who had not already done so as a result of your circular letter of last fall.

"We have just prepared a new directory of all the Georgia Tech men in the Chicago area and are enclosing two of these for your information. In the event that you have any corrections to this list or can help us out to the extent of filling in some of the missing information, we would appreciate your doing so, marking up one copy and returning. There are a number of extra copies available in the event the remaining one is not sufficient for your purposes.

"At the last meeting we had the election of officers for the coming year, who are as follows: Herbert Greene, President; W. E. Johnson, Vice-President; Harry Bernet, Secretary, and F. A. White, Treasurer. "A copy of this letter is being sent to Mr. Herbert Greene and to Mr. Harry Barnett and correspondence during the coming year will be handled by one or the other of these gentlemen.

"We certainly do appreciate the help you have extended, particularly in the football pictures, the copies of the alumni publication, and the assistance on the football tickets. The incoming officers are aware of the help you have extended in the past and I am sure will cooperate with you in any matters you wish on the National Association."

Tech Doubles Ceramic Materials

Recently Professor Charles F. Wysong stated in a prepared radio address that Georgia Tech research experts have more than doubled the state's ability to produce the raw materials used by most ceramic industries.

That statement by the acting head of the ceramics engineering department is ample proof in itself that since its establishment the department has been a success both in the school and in the state of Georgia. It was only a few years ago that eyebrows were raised when the ceramics department was established. Now this thriving department is one of the finest in the school.

At the present time, due to the war in Europe, the ceramics industry in the United States and especially in the South has had its greatest expansion in its short history. Today, schools can't begin to meet the demand for trained engineers in industry. Professor Wysong stated that if every senior, junior, or sophomore in his department were to graduate in June, there would be good jobs awaiting them.

Georgia has the facilities to become one of the greatest producers of ceramic articles because it possesses large quantities of raw materials used in ceramics, marketing facilities, transportation, labor supply, and fuel.

The question asked by our business leaders in the state today is, "Will Georgia ship her raw materials to other areas to be developed, leave it to Eastern capital to develop the resources here, or develop her resources with Georgia capital?"
Alumni Attain High Rank

C. B. "Buck" Gwyn, Jr., B.S. in E.E., 1926, had his forty-first patent issued on January 7, 1941, and like his fortieth patent, it covered "Contact Alloy and Method of Making Same." "Buck" is Chief Engineer, Fansteel Metallurgical Corp., North Chicago, Ill.

Grant LeRoux, B.S. Aero. Engr., 1933, will join the crew of the Atlantic Clipper early in April as junior pilot on the New York-Lisbon route of the Pan-American Airlines. He was transferred from Rio de Janeiro where he flew the Rio-Buenos Aires flight for Pan-American.

George T. Marchmont, B.S. in E.E., 1907, Southern District Manager, Graybar Electric Co., Atlanta, has recently been elected a member of the Board of Directors of the Morris Plan Bank, in addition to his many other fine honors and distinctions.

R. J. Morton, B.S. in C.E., 1934, was appointed General Manager of the Chattahoochee Valley Railway Co., West Point, Ga., on December 27, 1940. Mr. Morton was known as "Taxi" Morton while at Tech, where he worked his way through to his degree. His hard work from the very first and progress constituted a real success story. He succeeded Mr. J. E. Wright, deceased.

Robert and Company, nationally prominent Atlanta Architects and Engineers, headed by L. W. Roberts, Jr., C. L. Emerson and Jesse Shelton, Georgia Tech graduates, recently received the contract for the Bermuda Naval Base Development. This contract is one of a number of other important ones that the company is handling for the United States.

Mr. Emerson and associates of Robert and Company, returned to Atlanta back in February from a supposed jaunt to Bermuda but supplied with firsthand information about the region, especially soil and sea waters, many tests of which were made in the laboratories at Georgia Tech.

James C. Shelor, 1922, was named senior trust officer of the Trust Company of Georgia in Atlanta, during the first of the year. Mr. Shelor took his LL.B. work at Georgia and later attended Columbia University, N. Y. He has long been prominent in state and national trust affairs.

Among important recent additions by Mr. Stetinius, director of the Office of Production Management, to his executive staff in Washington, D. C., was that of James F. Towers, Georgia Tech. M. E., 1901. Mr. Towers is Executive Vice-President of Ford, Bacon and Davis, Inc., New York City.

First Lieut. James N. Wall, B.S. Comm., 1934, is in the Inf. Armored Force. He was ordered to the Armored Force School last fall and was graduated on January 30 and is now stationed as an instructor in the Tank Department of the School at Fort Knox, Kentucky.

Mr. F. E. Whitney, B.S. in M.E., 1892, is President of the Kelwax Corporation, 564-566 W. Cayuga St., Philadelphia, Pa. The firm manufactures a most excellent group of Surface Protecting Products for automobiles, floors, industrial and other uses.

Charlie Yates, B.S. Gen. Sci., 1935, returned to Atlanta in January after a visit to Cat Cay Island in the Bahamas where he attended the opening of the Windsor Downs golf course and played several rounds of golf with the Duke of Windsor, who was also present for the occasion. Charlie stated that the Duke of Windsor was a fine golfer and very friendly; he said, too, that the Duchess was equally as friendly and very charming.

Seniors Sponsor Planning Board

Recently there was conceived by the A.S.C.E. and the Civil Crew an idea which may prove of definite benefit to many Tech students. The idea, which is rapidly materializing into more substantial form, is to secure representation for Tech students upon various city and county commissions.

The thought that many Tech students, who in the future would be vitally interested in public activities and civil matters, were not getting enough experience on committees and in development of executive ability inspired this idea. With the thought came action.

Members of the A.S.C.E. and the Civil Crew convinced certain officials that they had a good idea. So William Housell is attending meetings of the Fulton County Board of Zoning Appeals. In the future, backers of this policy hope that Tech students may obtain appointments as official members of civil boards and commissions.

Practical Course Offered

Dr. Harold Bunger, director the department of chemical engineering, has announced that again this summer a practical working course similar to last year's will be offered to the Junior chemical engineering students.

Incorporated in the department's curriculum last summer, the course proved successful in that it acquainted the undergraduate Ch.E.'s with a knowledge of the problems they would encounter in the industrial world.

The details of this summer's course will be announced in the near future.
Death

PROFESSOR T. W. FITZGERALD

Professor Thomas Witt Fitzgerald, head of the Department of Electrical Engineering at Georgia Tech, died in Atlanta on February twentieth, after a serious illness of more than four weeks.

Funeral services were held in Atlanta, after which the body of Professor Fitzgerald was taken to his old home in West Virginia for burial.

We sincerely join with the students, the faculty, and the many other friends of Professor Fitzgerald in the fine tribute to him as so beautifully expressed To A DEPARTED FRIEND, in the following lines of the February 28 issue of the "Technique":

"If life is worth living, then death must be worth dying." And this can be said in parting salute to Professor Thomas Witt Fitzgerald, head of the Department of Electrical Engineering, whose life was surely well worth living.

Professor Fitzgerald spent twenty-one years of his life teaching thousands of students to use their hands and their brains to make life more livable for the people on this earth. And he will continue to live through the work of those thousands whom he taught to be men and engineers.

If a man's worth is measured by his services to society, Professor Fitzgerald's was a success, for he has a share in all the accomplishments of those whom he taught. If one's success is measured in the opinions of one's fellows, Professor Fitzgerald is a success, for all who knew him counted him as a friend and held him in the highest regard. With his passing the students lost a good friend and the world lost a man who has spent his life in useful service.

State Colleges Seek Social Security

Some form of social security was the most widely discussed subject at the twenty-first annual session of the Association of Georgia Colleges, as recently held in Atlanta.

Plans for action followed a speech by Dr. Harvey W. Cox, president of Emory University, on the subject of "Retirement Plans for Institutions of Higher Learning" in which he outlined the plan whereby Emory professors are cared for in their old age by group insurance and annuities.

The organization selected a committee of three officers, for 1941-42 to cooperate with the National Association of Colleges in drawing up this bill.

Dr. J. Curtis Dixon, vice-chairman of the board of regents of the University System of Georgia, began the pension discussion at a round-table session.

The major difficulty, according to Dr. Dixon, "is that state tax money is not paid in as is federal tax money and it would be difficult to promote an idea of retirement for school teachers when other state employees do not receive any form of old-age pension."

Dean E. F. Scott, of the Georgia State College for Women, at Milledgeville, told the organization of the position of the college professor in the present government set-up and his lack of social security provisions.

He also outlined the bill which will be proposed by the national organization for the promotion of social security for school teachers. This bill, he said, is included as a subsidiary to a larger bill which will go before congress in the interest of creating pensions for numerous public and state workers.

Evening Science Course Broadcast

The Georgia Tech Evening School of Applied Science at the Georgia School of Technology, offers to men who cannot attend a regular college course an opportunity to prepare themselves to advance in their present occupations or to make an advantageous change of employment, stated Professor R. S. Howell, director of the evening school. In a paper prepared for delivery on the State Board of Regents' Forward Georgia radio program February 1, 1941, on WSB at 12:45 o'clock, noon, Professor Howell said that the night classes were established to provide an opportunity for educational advancement for those who find it necessary to work during the day, and to give those with limited educational preparation a chance to supplement their practical knowledge through evening study.

In cooperation with the defense program, the school is offering such courses as automobile ignition analysis, dark room technique, drafting, heat treating, machine shop, radio engineering, radio service, and welding. Additional courses in defense will be offered in the spring.

Organized in 1908 with an enrollment of approximately 45 students, the evening school had for the 1939-40 session an enrollment of 1206. These people are employed in about 250 different business firms. Many firms encourage their employees to take advantage of the night courses.

The classes meet on the Georgia Tech campus in the various buildings, laboratories, and shops according to the nature of the course, and are taught by members of the day school faculty.

Each year, an increasing number of students come from distant cities such as Alpharetta, Carrollton, Gainesville, Griffin, Lawrenceville, Newnan, Stone Mountain, and Jasper to attend the evening school.

Howell concluded saying, "A number of students tell me each year that they owe their jobs to the courses taken with us, and others tell me that they have received promotions due to their work in our classes."

Colleges Seek Security (Cont'd)

Dr. H. J. Pearce, Jr., vice-president of Brenau College and professor of history at Emory University, said:

"Each time I buy a pair of shoes they take out a proportional amount of the profits for government taxes, just as they do for any other professional man and for that reason I should like for myself and the members of my profession to reap the benefits from such taxes."

Professor John G. Stipe, of Emory, said:

"We are interested in securing some form of pension for teachers. It may or may not come directly under the Social Security Act, but we want some form of pension created for aged professors and teachers in every branch of education."

The idea before the national organization and the Georgia division is now in its infancy. The state committee will cooperate with the national group in immediately stirring some action in the creation of this bill and in promoting its passage before Congress.

The committee is composed of Prof. J. L. Daniel, of Georgia Tech, president of the Georgia Association; President Frank R. Reade, of the Georgia State Woman's College, at Valdosta, vice president, and Dr. William D. Hooper, of the University of Georgia, secretary-treasurer.
The purpose of this paper is to give you, first, the fundamentals of education, and then to set forth several ideas on Engineering Education which will give you food for thought and inspire a healthy discussion of this very important subject. What is the best engineering education for this era? Webster's Dictionary defines education as "the act or process of educating; the result of education is knowledge, skill, or discipline of character acquired; the process of training by a prescribed or customary course of study for one to become a lawyer or doctor."

Before going further, first we should arrive at the main purpose of an education. Should it be solely to gain money by the prescribed courses? Or should it lead to an understanding of the student for a well-rounded manhood and a balanced life?

The late Bishop Knight, when addressing the student body at The University of the South, stated: "The purpose of education is to prepare you to enjoy the fullness of life"—a big statement.

Our institutions should conduct their courses to give the student character and honest principles of living, in addition to the mental tools for his professional career.

Engineering Education can be classified into headings such as Civil, Mechanical, Electrical, Textile, etc.—headed at institutions by separate faculties. This discussion generally applies to each branch.

There are several schools of thought regarding curricula.

1. A four year course giving the fundamental or basic courses needed by, say, the Civil Engineer: surveying, strength of materials, design of steel and concrete structures, hydraulics, etc.—making a graduate engineering student.

2. A five year course that will give the student one more year's work in his chosen particular line of the profession or specialty.

3. A six year plan such as given at Columbia University. The studies and his courses are supposed to make him a Civil Engineer. Some institutions give the C.E. degree upon graduation.

4. The fourth school of thought is to have all C.E. students selected by merits of personal character and scholarship. None other be allowed to take the course. This is the Vanderbilt way.

5. This last idea is to make expert surveyors, expert construction engineers, etc.—further specializing into about fifty types of experts.

In general, I personally favor the fundamental four year course, coupled with the Vanderbilt plan.

You can not make a youth 16 to 21 years of age into an engineer. He is yet just a boy at graduation, entering the first year of manhood. His mind should be trained for mental combats, as well as his body for physical contests.

The best qualified youth is one who has had cultural courses given him in high school as well as in his institution. He should know the English language and be able to write and speak it. Preferably he should be an athlete, honest, and of varied campus activities. His mind should be trained for mental combats, as well as his body for physical contests.

The best qualified youth is one who has courtesy, stamina, personality, and culture. Now I ask you, do you know what culture a young engineer should have. Like the definition of economics, it has many answers.

It will take a 5 year course to satisfy the critics of the present general system. During this time a well designed curricula including excellent courses in fine arts, English, natural sciences and other cultural courses can be given. Can the student afford the time and money? Eliminate the misfit student, faculty member, and engineer.

Raise the standards of culture, efficiency, and pay of the faculty, and also of the engineer.

We engineers must become leaders as well as servants, and stop letting politicians and others share with our work thereby fooling the public by getting credit for some of our big engineering jobs. Let engineers be their own orators.

By these methods we can improve the profession.

This paper presented by Professor Ralph P. Black, C.E., M. Am. Soc. C.E., Member Civil Engineering Faculty, Georgia School of Technology.
Weddings and Engagements

BRADSHAW-ECTOR
The wedding of Miss Ellen Bradshaw, daughter of Mr. and Mrs. Henry Grady Bradshaw of West Point, Ga., to William Howard Ector, Jr., was solemnized in West Point on March 1, at the First Baptist Church. Mr. Ector received his I.M. degree in June, 1940. He was president of his class, brilliant football star and a general leader in campus affairs.

BRAMBLETT-GOODWYNE
Mr. and Mrs. Augustus Walter Bramblett, of Forsyth, Ga., recently announced the betrothal of their daughter, Miss Antoinette Bramblett, to Mr. Shi Gray Goodwyne, of Atlanta. The marriage took place quietly at the home of the bride's parents in Forsyth on Jan. 11, 1941. Mr. Goodwyne was graduated with a degree in Architecture in 1930.

DE GOLIAN-MUNSON
Mr. and Mrs. Felix de Golian recently announced the marriage of their daughter, Miss Martha Mann de Golian, to Mr. William Benjamin Munson, III, of Denison, Texas. The ceremony took place on Feb. 21, 1941, in Atlanta. Mr. Munson was a member of Class of 1940.

GOREE-JONES
An announcement of wide interest to their many friends was that of Mr. and Mrs. Abner Wisdom Goree of the marriage of their daughter, Mary Louise, to Mr. Arthur Hall Jones on Saturday, February first, at the First Presbyterian Church in Chattanooga, Tennessee.

GREEN-KILPATRICK
Mrs. Hartford Lafayette Green has announced the engagement of her daughter, Miss Henrietta Fitzpatrick Green, to Mr. Edgar Green Kilpatrick, Jr. The ceremony will take place on March 22, in Atlanta. Mr. Kilpatrick was a member of Class of 1935.

HAPP-WILLINGHAM
Interest in the state centers in the announcement made recently by Mr. and Mrs. Lee Morris Happ of the engagement of their daughter, Miss Josephine Theresa Happ, to Mr. Osgood Spain Willingham. The marriage is planned for April. Mr. Willingham was graduated from Tech with a degree in Architecture in 1934.

HARRISON-GEGAN
Mr. and Mrs. John Mecaslin Harrison have announced the betrothal of their daughter, Miss Anne Deignan Harrison, to Mr. Ambrose Joseph Gegan, Jr. The marriage was solemnized Feb. 22, 1941. Mr. Gegan was graduated from Tech with a B.S. in M.E., 1940.

JEFFERS-PAGE
Of interest to a wide circle of friends was the announcement by Mr. Thomas A. Jeffers of the engagement of his daughter, Miss Marjorie Anderson Jeffers, to Mr. Junius Allison Page, of Raleigh, N. C. The marriage was an event of Feb. 15. Mr. Page was a member of Class of 1940.

Conference Rules Stress Education
The Southeastern Conference recently had notice from its athletic czar, former Governor Mike Conner, of Mississippi, that scouts recruiting grid talent must base their sales talk on the educational and cultural advantages of their schools.
He said that the scout should stress the scholastic advantages to impress upon the potential grid great the realization that football might be a means to an end, but was not an end in itself, and that the primary function of a school was to educate its students.
However, he explained, this would not interfere with the conference's official approval of the granting of scholarships to deserving athletes. These matters, and others, he said, would be more thoroughly discussed in talks with coaches and athletic directors.
The high commissioner said he had the personal pledge of each conference coach and athletic director to adhere to league rules, but that he would just the same, keep an eye peeled for possible violations.
Everything possible will be done to keep the legalized scholarships within bounds, he said.
"The maximum athletic scholarship comprises tuition, room, board, books, medical attention, laundry and a bona fide employment with wages not to exceed $10 a month," he explained.
Effective in January, he revealed, the conference will exact a statement of expenditures from each college and university of every dollar spent in connection with athletics.

Weddings and Engagements-(Cont'd)

McCARY-WARE
Mr. and Mrs. Charles Edward McCary announce the engagement of their daughter, Miss Janet McCary, to Mr. William Arthur Ware, Jr., of New York City, the marriage to take place in the spring. Mr. Ware was graduated from Tech with a B.S. in T.E., 1940.

McDOWELL-HUNTER
Announcement has been made by Mrs. Lois Durham McDowell of the engagement of her daughter, Miss Mary Eulalia McDowell, to Mr. William Francis Hunter, of Atlanta. The marriage was solemnized quietly in February. Mr. Hunter was graduated from Tech with a B.S. in E.E., 1939.

SEABROOK-DAYENPORT
The marriage of Miss Inez Bannerman Seabrook, daughter of Mr. and Mrs. Lee Whitemarsh Seabrook, to Mr. James Thomas Davenport of Atlanta, was solemnized on December 28, 1940, in Atlanta. Mr. Davenport was graduated with a B.S. in E.E., 1935.
### Alumni Mention

- Mr. Frank R. Anderson, B.S. in T.E., 1929, is now agency supervisor for the Georgia Agency of the Connecticut Mutual Life Insurance Company in Atlanta.
- Mr. William Clyde Appleby, B.S. in M.E., 1906, is the Manager of Operations for the Southern Wheel Division, American Brake Shoe & Foundry Company in New York City.
- Mr. Arthur B. Baker, B.S. in T.E., 1924, is the sales development representative of the American Viscose Corporation, Front Royal, Va.
- Capt. John P. Baum, B.S. in T.E., 1924, has been transferred from the Coast Artillery to the Textile Procurement Section of the Quartermaster Corps. His present address is 4218 Railroad Retirement Bldg., Washington, D. C.
- Mr. Daniel B. Blalock, Jr., B.S. in General Science, 1934, is a partner in the Blalock Machinery & Equipment Co., Atlanta, Ga.
- Mr. Lewis R. Blanks, B.S. in Ch.E., 1938, is Chief Chemist of the E. I. du Pont Company, Seneca, Ill.
- Mr. Donald Roger Eastman, Jr., B.S. in T.E., 1939, is Sales Engineer for the Trane Company, Roanoke, Va.
- Mr. William T. Brown, B.S. in C.E., 1927, is Construction Engineer for the U.S. Treasury Department, Boston, Mass.
- Mr. Homer B. Carter, B.S. in E.E., 1923, is Manager of the Pepperell Manufacturing Co., Opelika, Ala.
- Mr. Donald Roger Eastman, Jr., B.S. in A.E., 1939, is Junior Aeronautical Engineer for the National Advisory Committee for Aeronautics, Langley Field, Virginia.
- Mr. Arthur B. Engle, B.S. in E.E., 1923, is Manager for the Fordon Equipment & Engineering Co., Newark, N. J.
- Mr. Inocencio Alberto Galindo, B.S. in Architecture, Class of 1933, is a partner of Galindo & Company, Architects, Engineers and Contractors, Panama, Republic of Panama.
- Mr. Charles H. Graham, B.S. in E.E., 1923, is principal design engineer for the Puerto Rico Reconstruction Administration in Ponce, Puerto Rico.
- Mr. Homer W. Hesterly, B.S. in C.E., 1910, is now Chief of the 116th Field Artillery, Camp Blanding, Starke, Fla.
- Mr. Horace E. Luntz, B.S. in Ch.E., 1929, is Technologist of the Continental Oil Company, Ponca City, Okla.
- Mr. Vincente V. Makasiar, class of 1925, is Field Engineer, Utilities Division, of the Grannis, Higgins, Taylor, Lyon & McDevitt Co., at Camp Davis, Holly Ridge, N. C.
- Mr. Ansel H. Matthews, B.S. in Engineering, 1928, is a Battery Commander at Fort Hamilton, N. Y.
- Mr. William Meadors, Class of 1818, is General Superintendent of the Ivy H. Smith Co., Jacksonville, Fla.
- Mr. Henry Wade Moore, B.S. in General Engineering, 1928, is Manager of the Air Conditioning Dept. for The Bimel Company, Cincinnati, Ohio.
- Mr. Clarence S. Newton, B.S. in Commerce, 1922, is Secretary of the Butler Naval Stores Co., Inc., Butts Island, Ga.
- Mr. Carl B. Nixon, Class of 1927, is General Superintendent for the Newnan Cotton Mills, Newnan, Ga.
- Mr. Chas. S. Northern, Jr., B.S. in T.E., 1924, is Ass't Vice-President in charge of yarn sales, Avondale Mills, Sylacauga, Ala.
- Mr. Arthur Harris Park, B.S. in Commerce, 1921, is a Major of the Cavalry Reserve, Fort Oglethorpe, Ga., Ala.
- Mr. Robert Sheldon Paschal, B.S. in E.E., 1922, is Manager of the machinery and equipment department for Tidewater Supply Co., Inc., Columbia, S. C.
- Mr. Howard K. Pike, B.S. in A.E., 1937, is Secretary and Treasurer of the Florida Aeronautical & Supply Co., Orlando, Fla.
- Mr. Ford E. Pratt, B.S. in A.E., 1937, is the Vice-President and General Manager of the National Utilities Company of Missouri, Kirksville, Mo.
- Mr. Thomas Sanford Pryor, B.S. in E.E., 1936, is Assistant District Engineer for the Southern Cotton Oil Company, Montgomery, Ala.
- Mr. Clinton Samuel Quigley, B.S. in E.E., 1931, is Assistant P.M.S.F.T., Georgia Tech, Atlanta, Ga.
- Mr. Curtis H. Rankin, B.S. in T.E., 1934, is Production Supervisor for the Tennessee Eastman Corp., Kingsport, Tenn.
- Mr. William H. Ratliff, Jr., B.S., 1937, is an engineer for the Sperry Gyroscope Co., Garden City, N. Y.
- Mr. Jim Franklin Reynolds, Class of 1921, is Manager of the Alabama Coca-Cola Bottling Co., Gadsden, Ala.
- Mr. Clifford James Roberts, B.S. in C.E., 1925, is Manager of the Louisville office for The Trane Company, Louisville, Ky.
- Mr. Lyman Hall Robertson, B.S. in Architecture, 1936, is an architect in New Orleans, La.
- Mr. Walter Wade Robinson, B.S. in E.E., 1919, is Production Manager of the Callahan Grinding & Machine Co., Anniston, Ala.
- Mr. Thomas Schley Rogers, Class of 1930, is Manager of the Metropolitan Finance Company, Houston, Texas.
- Mr. Jack Roberts Rountree, B.S. in C.E., 1936, is Ass't Structural Engineer for the Tennessee Valley Authority, Knoxville, Tenn.
- Mr. Thomas Richard Sanders, Jr., Class of 1932, is Director of Art and Design, Atlanta Paper Company, Atlanta, Ga.
- Mr. Rudolph Augustus Siegel, Jr., B.S. in Ch.E., 1936, is Sales Manager for J. J. Haines & Co., Baltimore, Md.
- Mr. Marvin T. Smith, B.S. in C.E., 1932, is an Engineer in the U.S. Naval Reserve, Instructor, Squadron 4, Naval Air Service, Pensacola, Fla.
- Mr. C. Sutton Tatum, B.S. in T.E., 1905, is Secretary and General Manager of Pilot Mills Company, Raleigh, N. C.
- Mr. Edward M. Vinson, B.S. in I.M., 1939, is Ass't to the Director of Personnel, General Mills, Inc., Minneapolis, Minn.
Interesting Report From Gene Turner

"Gene Turner's interesting report letter of December 22 did not reach us in time for publication in January; however, the report is well worth reading at any time and should prove most interesting to all of you.

Printed in the center of the letter were four Chinese word characters; two large ones and two smaller ones, which carry a message in themselves as described in the report, which states:

"The two large ones, Ho-ping, mean peace, the sort of peace which exists between two friendly nations, or neighbors. The smaller ones, ping-an, mean peace, too, the sort of peace we wish our friends this time of year. Ho-ping, the hope of Christ—peace on earth and good will toward men. Ping-an, the hope of man—peace and contentment of heart and mind.

"There is not much of ho-ping in the world today, and there is far too little of ping-an. I had hoped to send you early holiday wishes for ping-an, at least, but on a recent return by night, incidentally in an American style sleeper, after a long absence, I was joined by an informing air mail on my desk. At noon the same day came a wire, asking that I go at once to the most distant city in my field. So, instead of settling for a re-gathering of strength of heart and mind and sending a Christmas word to friends, I took an air ride. It was on a mission which I wish I could report, because it proved one of the most interesting experiences of my years in China. The story reaches back, for its beginning, to the Sung dynasty and to the city of Hangchow where we have lived three different times since we came to China. The Sung kings laid down their crown A.D. 1264—more than 200 years before the discovery of America. Though that was the beginning, the story is not ended. I shall hope to tell it when I see you for it is a thrilling recital of a day's work and of what the Y.M.C.A. means in a Chinese city. In the mean time, do not make the mistake of thinking missionary life is humdrum. 'It ain't.'

"From that trip I returned and went immediately to Shanghai, where I am now returning for Christmas with friends, if not with family, who, on your side of the world, could happily be together at Tryon, N. C.

"My next appointment is with the dentist to fortify me for interesting days ahead. By the middle of January, I hope to be on my way for a trek of several thousands of miles, which will take me into "free China," where strange transformations are taking place, and where the nation of the future is finding refuge for the building of a new soul through a struggle such as makes over both nations and men. I shall see consolidated university centers, where three, four and five formerly separate universities are now working together. I shall pass through cities, which less than four years ago had 4000-5000 people, but which today have ten times that many, or more. In some of these new cities, result of war and its great movements of transportation and refuge are former members of the Y.M.C.A., who have promoted Y’s to serve the over-whelming proportion of young men who have duties there. Some fifty men were present there, a decade ago, and I shall see cities in which they and their institutions are taking root in new soil. I shall see industrial cooperatives and decentralized industry, the secret-springs of the surprising power of resistance which the nation has shown.

Vocational Courses For Defense

In an effort to help satisfy the demand for skilled workers which has been created by the pressure put on American industry by the national defense program several new courses were instituted last September in the Georgia Tech Evening School. These courses, which are vocational in nature, are being continued this semester and are being financed by the Federal government.

All of the night school defense courses are designed to train men for a definite skill or trade. However, there are also supplementary courses, intended to improve the skill of a worker at his present job. A man wishing to enroll in one of these courses must present a letter from his employer stating that his daily work is of the same nature as the course he is planning to take.

Among the courses now offered are: Darkroom Technique, covering darkroom processing for all types of film; Micro-Photography, as applied to heat treating and metallurgy; auto ignition analysis; drafting; heat treating; machine shop; radio engineering and service; and electric and acetylene welding.

The quotas in these classes were reached soon after the start of the program. The shops and labs are now being run at full capacity five nights a week, and at present there is still need of more space for new men desiring to register under this program.

There is now being organized a new college defense program at Georgia Tech, which will offer classes of college grade and will be under the direction of Professor R. L. Sweigert, M.E. Department.

Interesting Report—(Cont'd)

"For the longest stay of the trip, I shall be in Chengtu, where there are problems of staff reorganization. This is the provincial capital farthest west in China proper. Before the war it was the seat of a single Christian University; now it has a community of five. Before the war, Chengtu's province of Szechuen had a population of sixty million, but in spite of that it was practically self-contained. It has a much larger population now, and one of its cities, much bombed, but still undaunted Chungking, is the nation's capital. Though this city is said to have been four-fifths destroyed by aerial bombardments, it is from there that official China carries on, and directs its life and activities and its fight for existence, which its great neighbor insists it must give up. The neighbor speaks of its own fight for existence, but forbids the right to China. This is her plea to the court of world opinion, but in this court it fails to impress, because the fight is not on home soil, but in China; along its coasts, up the far reaches of its rivers, at its back door through other nations which have been despoiled and over-run.

"This is enough, though it is likely to be my last word before I turn homeward in the early summer. If you can remember so far ahead, jot down the Stew- art Hotel, San Francisco, as my address for a day, or so, after arrival about June 20.

"Needless to say, I hope furlough will mean re- union and renewal of association with many of you. I am daily conscious of my appreciation of the friends I have been over the years. Ping-an to each of you and your households; ho-ping to your United States and to mine.

(Signed) "GENE TURNER."
Tech Swimmers Break Own Records

Loss of all but three varsity members from last year's swimming team, put a severe strain on Coach Freddie Lanoue this season. However, to date, the swimming team has compiled a very fine record and seems to be headed for a high rating in the Conference. The Tech Tanksters have lost only to the strong Florida Gators and to the North Carolina Tarheels. They have beaten a good Duke team in outside competition, while the Conference teams of Clemson and Kentucky have also been taken into camp. Tennessee, Georgia and Auburn remain during the regular season with the Conference Meet to be held at Tech as the grand finale.

The Engineers barely edged out the hard-stroking Tennessee Vols, ending up on the top of a close 38-37 score. The University of Florida 'Gators gave the Jackets a 46-29 scrubbing in Tech's major swim engagement of the season.

Yellow Jacket Captain Bud Ward scooped up two varsity records from the Vol meet. Ward broke the 220-yard freestyle mark of 2:35.6 set by Sophomore McCarty in the recent Kentucky meet by 2.8 seconds. Then, still going strong, he clipped 5.4 seconds off his own 440-yard grind record of 5:50.1 turned in during the Clemson meet.

The mighty sprint trio, Stradtman, Newman, and Bates, churned up firsts and seconds in the 50- and 100-yard freestyle events for almost half of the Jackets' 38 points.

The "alligator-wrestlin'" boys from Gainesville saw plenty of Dick Bates' flying heels in the 50-yard sprint. Bates also assisted in the 400-yard relay for the fastest time ever recorded for the event at the Tech pool in Coach Lanoue's private archives. Bates also split a first with Youngblood of Florida in the 100-yard dash, bringing in a new time of 54.2 for Tech.

The Schedule

Duke 37 -- Tech 38
North Carolina 56 -- Tech 21
Clemson 29 -- Tech 46
Kentucky 32 -- Tech 43
Tennessee -- Tech Won
Auburn 26 -- Tech 49
Georgia at Athens -- March 15
CONFERENCE MEET -- March 21-22

Fencing

The fencing team has lost quite heavily through graduation, but with holdovers from last year's varsity and new men coming up from the freshman team, Coach Morenus' men have had a fairly successful season to date.

Schedule

Vanderbilt 6—Tech 10
Kentucky 7—Tech 10
Fort Benning17—Tech 10
Fort Benning16—Tech 11
Vanderbilt 9—Tech 7
Kentucky 11—Tech 6
Cincinnati 6½—Tech 10½

The Atlanta Fencing Club remains to be fenced on March 8 and 15. A post-season highlight will be the South Atlantic Fencing Tournament held at Williamsburg, Va., in which our team will pit the cream of its swordsmen against a worthy representation of other collegiate stars and attempt to retain the honors won at the Chapel Hill match last year.

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JACK STEIN '28, President
Spring Practice Begins April 7.

Spring football practice will begin on Monday, April 7, according to a recent announcement from the Georgia Tech Athletic Department.

The work will extend over a period of six weeks but only thirty days of actual practice are planned. Almost all of the drills will be held on Rose Bowl Field; but changes will be made to Grant Field when the Tech baseball team has varsity games scheduled on the Rose Bowl Field.

Tech will have to develop some kickers to replace Captain Neil Cavette and to assist Charlie Sanders. As most of the work will be taken up in fundamentals and in developing individual players, there will be no spring game to conclude the practices, as planned at present.

Georgia Tech's football players will take the field next fall, wearing numbers signifying their positions, in accordance with the suggestion made by the national rules committee in the code for 1941. Although the systematic allotment of numbers involves considerable trouble, it is thought that many of the coaches in the South will fall in with the idea, and in a season or two the plan will become standard practice.

Tech, no doubt, will follow the suggestion, since Coach Alexander is a member of the rules committee and has always been especially interested in details that might promote public enjoyment of the game.

By the system now suggested, this will be the allotment:

- Wingbacks, or right halfbacks, will have numbers 11 to 19, inclusive.
- Blocking backs, or quarterbacks, 21 to 29.
- Fullbacks, or spinning backs, 31 to 39.
- Tailbacks, or left halfbacks, 41 to 49.
- Centers, 51 to 59. Guards, 61 to 69. Tackles, 71 to 79. Ends, 81 to 89.

After seeing a game or two with the players numbered by this system, any spectator should find it easy to identify the individuals.

Riflemen Defeat Miss. State

The rifle team of Georgia Tech recently completed a trip to Starkville, Miss., where they defeated Mississippi State, 2,865 to 2,828. Sanderson was high man for the Jackets with a score of 377x400. Other Tech scores were: Richards, 369; Cleckley, 369, and Walton, 363.

The Mississippi State team will come to Atlanta for a match March 22.

New Commandant Army R. O. T. C.

After retirement from the army of only six months, Colonel Robert W. Collins, Coast Artillery, has been assigned to the position of commandant of the Georgia Tech Army R.O.T.C. unit.

Col. Collins is replacing Col. Felix E. Gross, who will leave on or about June 1, to enter active duty. It is not known as yet where Col. Gross will be stationed, but all of the Army cadets at Tech will agree that his new post is fortunate in getting him and he will be greatly missed by Tech's Military Department.

Health Dept. Promotes Programs

The Department of Biology and Public Health, in cooperation with its professional fraternity, Pi Eta Epsilon, is entertaining an unusual number of outstanding executives from the state capitol. These speakers are coming to Tech in order to promote an extensive cooperative program by the State Health Department in training public health engineers, since the present demand is much greater than the supply.

The first speaker enjoyed by the department and guests from other departments invited by Prof. H. A. Wyckoff was secured through Ben T. Huiett, commissioner of labor.

Review of Basketball Season

Coach Mundorff's 1941 Basketeers did surprisingly well considering the inexperience of most of the varsity men. During the regular season, the yellow-jackets won eight and lost ten. The team's erratic play can be attributed to lack of experience and unnecessary juggling of the line-up before the best possible combination could be found. In the Conference tournament at Louisville, Tech was defeated by Alabama, 33-39, in a really hard fought game. The following are the season's scores:

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<thead>
<tr>
<th>Tech Opponents</th>
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<th>Opponents</th>
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<tbody>
<tr>
<td>39 S. Carolina</td>
<td>34</td>
<td>48 Auburn</td>
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<tr>
<td>44 S. Carolina</td>
<td>35</td>
<td>45 Auburn</td>
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<tr>
<td>41 S. Carolina</td>
<td>34</td>
<td>26 Georgia</td>
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<tr>
<td>61 Clemson</td>
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<td>41 LSU</td>
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<td>60 Ole Miss</td>
<td>47</td>
<td>32 Alabama</td>
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<tr>
<td>55 Vanderbilt</td>
<td>48</td>
<td>41 Vanderbilt</td>
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<tr>
<td>37 Kentucky</td>
<td>47</td>
<td>41 Kentucky</td>
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<tr>
<td>49 Clemson</td>
<td>52</td>
<td>52 Georgia</td>
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<tr>
<td>20 Tulane</td>
<td>37</td>
<td>42 Notre Dame</td>
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Manufacturers' Agents

Rhodes Bldg., Annex Atlanta, Ga.
### Spring Sports Schedule

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<tr>
<td>April 12</td>
<td>Florida at Gainesville</td>
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<tr>
<td>April 19</td>
<td>Tennessee</td>
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<td>April 26</td>
<td>A. A. U.</td>
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<td>May 3</td>
<td>Georgia</td>
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<tr>
<td>May 10</td>
<td>Auburn at Auburn</td>
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<tr>
<td>May 16-17</td>
<td>Conference Meet at Birmingham</td>
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#### TENNIS

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<tbody>
<tr>
<td>March 29</td>
<td>Clemson</td>
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<tr>
<td>April 1</td>
<td>Florida</td>
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<tr>
<td>April 5</td>
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<td>April 7</td>
<td>Princeton</td>
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<tr>
<td>April 11</td>
<td>Davidson at Davidson</td>
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<td>April 12</td>
<td>Duke at Durham</td>
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<td>April 17</td>
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<td>April 26</td>
<td>Vanderbilt</td>
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<tr>
<td>April 29</td>
<td>Alabama</td>
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<td>May 3</td>
<td>Georgia at Athens</td>
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<tr>
<td>May 8-9-10</td>
<td>Tournament</td>
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#### BASEBALL

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<td>April 9-10</td>
<td>Vandy at Nashville</td>
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<tr>
<td>April 11-12</td>
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<td>April 16-17</td>
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<td>April 23-24</td>
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<td>April 28-29</td>
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<td>Georgia at Athens</td>
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#### GOLF

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<td>Georgia at Athens</td>
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<td>May 17</td>
<td>Kentucky</td>
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### Football Forecasts and Prospects

Georgia Tech will open with the University of Chattanooga on October 4, 1941. After that game, the following teams will be met in succession: Notre Dame, Vanderbilt, Auburn, Duke, Kentucky, Alabama, Florida, Georgia and California. Road games will be played with Vanderbilt, Alabama, Florida and California and the other six will be played on Grant Field.

**Only change from last year's schedule is the substitution of Chattanooga for Howard in the opening game.**

The game with California will again be contingent upon whether either team gets a bowl bid. Date of this game also is to be fixed later, though it will be some time late in December.

Spring training will start in the middle of April and among the prominent absentees will be Robert Ison, All-American end; Captain Neil Cavette and Alternate Captain Robert Aderhold, guards; Elmer Dyke, tackle; Paul Sprayberry, end; Roy Goree; Bobby Beers, Cowboy Shaw, Sister Wilkins and Joe Bartlett, backs.

Tech's greatest need last season was a fast-running back. Bobby Pair, who shone brightly late in his sophomore season, was counted on but was lost on account of a bad knee, since operated on. This year, in addition to Pair, the squad will have such promising ball carriers as Billy Paschal, Pat McHugh and David Eldredge, who were three of the most outstanding prep school backs in the South.
1930--Geographical Directory--1930

1930

ALABAMA

ALEXANDER CITY
•30—Harris, L. E. B., BS in CE, 204 Alabama Mfg. Co.

ANNiston

ANNE ARUNDEL

Anne Arundel
•30—Frederick, R. D., BS in CE, 204 Alabama Mfg. Co.

BIRMINGHAM
•30—Printz, R. G. B., BS in EE, 208 Alabama Mfg. Co.

BLOOMINGTON

BUNNELL

COLUMBUS
•30—Culpepper, T. J., Jr., BS in TE, Eagle & Phenix Mfg. Co.

CORDELE
•30—Jones, J. K., BS in EE, 207 Alabama Mfg. Co.

FORT PAYNE

GAINESVILLE

GEORGETOWN

GEORGIA

ACADIANA

AMERICUS

ATLANTA

ATHENS
•30—Burrow, G. C., BS in CE, 208 Alabama Mfg. Co.

CALIFORNIA

LOS ANGELES
•30—Johnson, H. L., BS in CE, 205 Alabama Mfg. Co.

Panorama

SACRAMENTO

DENVER

COLORADO SPRINGS

CONNECTICUT

WATERBURY
•30—Thompson, J. R., BS in TE, F. O. Box 238.

KIVY
•30—Currey, R. G., Asst. Fish Commissary WPA.

MIAMI
•30—Annawh, W. H., BS in EE, South West Engineering Co.

MILFORD BEACH
•30—Green, W. J., BS in Arch.

MONTGOmERY

NEW HAVEN
•30—Sensabaugh, R. B., BS in CE, 219 Ninth St.

WATERBURY '30—Hicks, J. R., BS in ME, 50 Columbia Blvd.

DENVER

DIST. OF COLUMBIA

SELMA
•30—Howell, J. C. BS in EE, 208 Alabama Mfg. Co.

HUNTSVILLE
•30—Faisst, H. A., BS in Comm., 600 N. Pine St.

FORT PAYNE

DECATUR
•30—Russell, H. E., BS in Arch.

SHEFFiELD
•30—Lindsey, R. T., BS in ME, 2142 Herschell St.

BIRMINGHAM
•30—Beers, H. W., BS in EE, 2809 S. 13th Ave.

COTTON OIL Co.
•30—Rice, H. J., BS in CE, 210 Mill St.

DECATUR
•30—Crenshaw, R. F., BS in EE, 208 Alabama Mfg. Co.

EDMUND

FRANKLIN

FORT PAYNE
•30—Bagley, C. P., BS in EE, 207 Alabama Mfg. Co.

HUNTSVILLE
•30—Atkinson, W. J., Jr., BS in EE, 208 Alabama Mfg. Co.

JACKSONVILLE

LAFAYETTE
•30—Boyce, A. S., BS in EE, 207 Alabama Mfg. Co.

ALEXANDER CITY
•30—Smith, W. R., BS in CE, 205 Alabama Mfg. Co.

BROOKLYN
•30—Nichols, F. D., BS in CE, 206 Alabama Mfg. Co.

Birmingham
•30—Mathes, R. C, BS in CE, 207 Alabama Mfg. Co.

COLUMBUS

COLUMBUS
•30—Toney, W. V., BS in CE, 206 Alabama Mfg. Co.

COLUMBUS
•30—Hauck, A. E., BS in CE, 206 Alabama Mfg. Co.

CORDELE

DECatur
•30—Smith, C. M., BS in EE, 207 Alabama Mfg. Co.

DOERUN

Dania
•30—Tennyson, H., BS in CE, 206 Alabama Mfg. Co.

Dania
•30—Clark, P. M., BS in CE, 205 Alabama Mfg. Co.

DOVER
•30—Pinkerton, P. F., BS in CE, 206 Alabama Mfg. Co.

INSPIRATION
•30—Buttriss, A. C, BS in CE, 206 Alabama Mfg. Co.

SPRINGFIELD
•30—Smith, J. E., BS in CE, 207 Alabama Mfg. Co.

BROOKS, C. W., BS in EE

GRAND ISLAND

GROVE CITY
•30—Brown, J. R., BS in CE, 205 Alabama Mfg. Co.

HACCOU
•30—Thompson, J. H., BS in CE, 206 Alabama Mfg. Co.

HATTIESBURG

HOLT
•30—Hines, W. B., BS in CE, 207 Alabama Mfg. Co.

HOMMER'S
•30—Sturgis, A. W., BS in CE, 206 Alabama Mfg. Co.

ILLINOIS

CHICAGO

ILENO ISLAND

IWANPOLOUS
•30—Smith, J. C., BS in CE

OCTOBER
•30—Bain, A. C, BS in CE, 1114 Hoyne Rd.

POLK

TAMPA
•30—Moore, T. W., BS in CE, 206 Alabama Mfg. Co.

TECHNICAL COLLEGE

TAMPA

TEXAS

ANGELINA
•30—Lanier, W. S., BS in ME, 207 Alabama Mfg. Co.

HUNTSVILLE

HUNTSVILLE
•30—Mathies, R. C, BS in CE, 207 Alabama Mfg. Co.

HUNTSVILLE
•30—Liscomb, N. W., BS in CE, 207 Alabama Mfg. Co.

HUNTSVILLE

HUNTSVILLE
•30—Goodwaye, S. G., BS in Arch., Cooper & Cooper

HUNTSVILLE
•30—Hicks, J. R., BS in CE, 206 Alabama Mfg. Co.

HUNTSVILLE
•30—Hicks, J. R., BS in CE, 205 Alabama Mfg. Co.

HUNTSVILLE
•30—Smith, J. C., BS in CE, 206 Alabama Mfg. Co.

HUNTSVILLE
•30—Hicks, J. R., BS in CE, 205 Alabama Mfg. Co.

HUNTSVILLE
•30—Smith, J. C., BS in Arch., Cooper & Cooper

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•30—Smith, J. C., BS in CE, 206 Alabama Mfg. Co.

HUNTSVILLE
•30—Hicks, J. R., BS in CE, 205 Alabama Mfg. Co.
1931--Geographical Directory--1931

FLORIDA

AYON PARK
31--Patterson, J. M., BS in Arch.

Cape Coral
31--James, W. C., Gen. Em. Dep't

COCONUT GROVE
31--Moorhouse, G. B., BS in CE, 225 Douglas St.

CORAL GABLES
31--Haver, W. Z., 2951 Alhambra Circle.

DAYTONA BEACH

JACKSONVILLE
31--Howard, J. H., Jr., Villa Rosa Park 1359. Lynch Bldg.

MIAMI
31--Molos, W. B., BS in Ch.E., U. S. Food & Drug Admin.

MADISON
31--Roberts, T. J., BS in Comm.

NAPLES
31--Carabassa, C., Jr., BS in Comm.

ORLANDO
31--Montojo, C. R., Jr., BS in Comm.

PAINTER'S POND
31--Sheppard, J. D., Spec. Tex., 2015 Emperor St.

TARPON SPRINGS
31--Winer, H. M., Sr., Box 418.

WINTER HAVEN
31--Broune, J. E., Box 638.

GEORGIA

ALBANY
31--Bailey, J. W., 322 NE

GEORGIA TECH
31--Adair, W. M., BS in Comm.

WINTER HAVEN
31--Livingston, C. J., BS in Comm.

PANAMA CITY
31--Beecher, G. J., BS in Comm.

PORT ORANGE
31--Dougherty, C. J., BS in Comm.

PLANT CITY
31--Smith, G. B., BS in EE.

MCINTOSH
31--Tanner, T. J., BS in ME, P. D. Co.

MONROE
31--Aderhold, F. H., BS

AMERICUS
31--Bailey, G. M., BS in EE.

ATLANTA
31--Clark, G. A., BS in Comm.

ATLANTA UNIVERSITY
31--Frasier, C. H., BS in EE.

BARNSWELL
31--Adams, A. S., BS in Comm.

BARTON
31--Bell, G. P., BS in EE.

BARTONVILLE
31--Barker, E. B., BS in Comm.

BATON ROUGE
31--Reid, J. W., BS in EE, 1431 Pine St.

BAY CITY
31--Johnson, H. J., Jr., BS in EE.

BAY HARBOUR
31--Carr, W. H., BS in EE.

BAYSTON HILL
31--Malone, T. C., BS in EE.

BEAUFORT
31--Bennett, A. J., Jr., BS in ME, Atlanta

BEECHER
31--Smith, J. H., BS in Comm.

BELEW PARK
31--Hill, W. J., BS in Comm.

BIENVILLE
31--Farmer, J. B., BS in Me.

BLOOMINGTON
31--Barker, W. H., BS in EE.

BLYTHE
31--Jones, J. H., BS in Comm.

B NotFound

BOONVILLE
31--Johnson, W. F., BS in EE.

BRADFORD
31--McLaurin, E. S., BS in Comm.

BROWNSVILLE
31--Barker, R. L., BS in Comm.

BUNNELL
31--Smith, W. M., BS in Comm.

BUTLER
31--Skeen, J. H., BS in EE.

BUZZARD'S COVE
31--Johnson, W. F., BS in Comm.

CALEDONIA
31--Hubbard, F. H., BS in EE.

CAMELIA
31--Hill, W. J., BS in Comm.

CAMERAS, J. C., BS in ME.

CAMERAS, J. C., BS in ME.

CAMDEN
31--Romano, T. R., BS in EE.

CANTON
31--Hill, W. J., BS in Comm.

CARBONDALE
31--Asbury, C. H., BS in ME.

CARY
31--Spencer, J. W., BS in EE.

CARMELA
31--James, W. C., Gen. Em. Dep't

CARTERSVILLE
31--Thompson, J. C., BS in Comm.

CASPERS, C. H., BS in ME.

CATHEDRAL HILL
31--Thompson, F. E., Spec. Tex.

CAYUGA
31--Hennepin, W. J., Jr., BS in Comm.

CENTRAL FALLS
31--McKee, W. H., BS in Comm.

CETEK
31--McNutt, H. G., BS in CE, 103 Forsyth St.

CITY BEACH
31--Hirsch, H. D., BS in Comm.

CITRA
31--Jones, E. F., BS in ME, 720 Penn Ave.

CLAIRTON
31--Jones, T. G., Texas Oil Co.

CLINTON

CLONTAR
31--Kings, J. C.

CLINTON, S. C.
31--Lesnes, B. H., BS in EE.

CLOVER
31--Loopest, J. E., BS in Comm.

COCHRAN
31--Lovett, J. O., BS in Comm.

COELOCA
31--McKeehan, W. E., BS in Comm.

COEUR D'ALENE
31--Ludwig, L. V., BS in Comm.

COEUR D'ALENE, IDAHO
31--Walsh, G. J., Jr., BS in Gen. Sci.

COEUR D'ALENE, WISCONSIN
31--Shepard, J. D., Spec. Tex.

COEUR D'ALENE, IDAHO
31--Morgan, W. L., BS in EE.

COEUR D'ALENE, IDAHO
31--Jackson, W. H., BS in Comm.

COEUR D'ALENE, IDAHO
31--Baker, C. E., BS in EE.

COEUR D'ALENE, IDAHO
31--McNutt, H. G., BS in CE, 103 Forsyth St.

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COEUR D'ALENE, IDAHO
31--Baker, C. E., BS in EE.
"Dad, why do they put it under the street?"

"Because, Son, in a big city like this there isn't room in the streets for enough poles to carry all the telephone lines needed."

Cable is one of the many items of telephone apparatus which Western Electric produces. Were it not for cable, millions who now have telephones could not have them. Well ahead of public need, Western Electric has for years pioneered in improving the art of cable manufacture, packing more wires into limited space, insulating them from each other more perfectly, and making the outer lead covering more resistant to destructive forces.

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Delicious and Refreshing
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