The GEORGIA TECH ALUMNUS

November
December
1940

Chemistry Building

Vol. XIX
No. 2

Continuing the Geographical Alumni Directory

Cloudman Hall
These wires are known in Rio de Janeiro, Valparaiso, and Buenos Aires. The messages they speak cross mountains and ocean and jungle to reach rubber planters on the upper Amazon and ranchers on the pampas of Argentina. Because of these messages, citizens of more than a dozen republics to the south know the United States better—how we live, what we think, how we feel. And from this better understanding comes the friendship on which the safety of the American hemisphere must depend.

For more than 15 years Schenectady’s international broadcasting stations WGEA and WGEO have been interpreting the life and culture of these United States to the people of our sister American republics. In 1939 they were joined by KGEI, a new G-E station in San Francisco. Day and night, in many languages, these three stations present free, uncensored news, entertainment, education. They act as ambassadors for peace in a world torn by war, as pioneers in the cause of hemisphere solidarity.

General Electric scientists and engineers for more than 25 years have played a leading part in the development of radio. Today, through the G-E international broadcasting stations, they are making important contributions to the defense program of the Americas.

G-E research and engineering have saved the public from ten to one hundred dollars for every dollar they have earned for General Electric.
THE GEORGIA TECH ALUMNUS

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R. J. THIESEN, Editor
R. E. FORREST, Asst. Editor
B. W. RAVENEL, Jr., Bus. Mgr.
SAM N. HODGES, Jr., Staff Asst.

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Heartiest Greetings

Christmas, 1940

May the Spirit of the Season
Ever Be With You
and
Those Dear to You
and
May the Clouds of the World
Disperse and Bring Forth the Silver
Lining
Of An Everlasting and Just Peace
with
Joyous and Prosperous New Years,
Good Health, and Success to All.

Horace G. Caldwell, 1926, Appointed to The Board of Regents

Honorable Horace G. Caldwell, Ga. Tech 1926, was appointed to the Board of Regents of the University System of Georgia by Governor E. D. Rivers, on October 11. He succeeds Hon. John W. Bennett, deceased, of Waycross, Georgia, and will represent the Eighth District of Georgia on the Board.

Mr. Caldwell was born in Atlanta and attended Riverside Military Academy before coming to Georgia Tech in 1922. He was a swimmer and basketball player of note while in school.

Residing in Valdosta, Mr. Caldwell is the widely known and popular manager of two of the leading hotels in the State, located in Valdosta and Albany respectively. He is also prominent in State and National affairs and is a member of the Kiwanis Club of his city, and has served on the Valdosta City Council.

The University System, Georgia Tech, the Board of Regents and Mr. Caldwell are all to be congratulated on his fine and so well deserved appointment.

Georgia Tech is most grateful to Governor Rivers for his kind consideration and excellent judgment in naming Mr. Caldwell as a member of the Regents.

The college now has four alumni members on the University Board; including Mr. Caldwell from the Eighth District, and in order of appointments, they are: L. W. Robert, Jr., Atlanta, State at Large; R. D. Harvey, Lindale, Seventh District; Willis W. Battle, Columbus, State at Large, and Mr. Horace G. Caldwell, as stated.
Freshmen Play Annual Benefit Game

An enduring satisfaction that comes with the knowledge of participating in a most worthy cause and in witnessing a game that abounds in thrills are, in themselves, enough to assure a capacity attendance at the annual Tech-Georgia Freshman Game, at Grant Field, in Atlanta, on Thanksgiving Day, November 21.

As those who have seen the games so well know, this sports event is surely worth the price of $1.00 for reserved seats and 50 cents for general admission. Every penny of the receipts will go to the benefit of the Scottish-Rite Hospital for Crippled Children. The hospital is operated entirely from voluntary subscriptions, as so many of you know and appreciate.

Tickets for the game, as heretofore, may be obtained in advance from the George Muse Store, the Georgia Tech Athletic Department, or from any of the many committee men.

The varsity teams of Georgia and Georgia Tech will meet in Athens on November 30, so the football game between the rival freshmen will be the only chance to see a Tech-Georgia football game in Atlanta, this fall.

Georgia and Tech have a number of exceptional freshmen players this year, most of whom were stars on their respective high school teams; and the game will provide the usual glance into the future. Each team proposes to win and to make the contest the huge success it should be for those great youngsters in the Scottish-Rite Hospital.

The individuals on the opposing sides realize in their big fine hearts that it is grand that they are the ones whose "Strong Legs Will Run That Weak Legs May Walk."

The game will be a cause of thanks to all who attend and support it, and most certainly one of thanks to those fine Scottish Rite girls and boys—a real Thanksgiving Day, in every way.

Athletic Building Under Construction

The new Athletic Association building on the corner of Fowler and Third is expected to be completed in six months. This building when completed will cost approximately $60,000, the expense to be shared evenly by the W.P.A. and the athletic association.

Present plans call for a building similar to the Auditorium-Gymnasium. It will be a two story affair of reinforced concrete. The first floor, which will be on the same level as Third street, will house the business offices of the athletic association, the coaches’ offices, and the ticket offices. The other floor will be on the same level as Grant Field. Here will be training rooms for visiting teams; a minor sports room for fencing, wrestling, and boxing; and a rifle range. The rifle range will be used to support it, and most certainly one of thanks to those fine Scottish Rite girls and boys—a real Thanksgiving Day, in every way.

Home Coming Activities

As we go to press, all plans for the many home coming activities have been completed and a great time is in store for the reunion classes and the alumni in general.

As stated in our September issue, the celebrations center around the Alabama-Ga. Tech Game during the week end of November 16.

The members of the Pioneer Classes have been invited to attend the home coming lunch, as the guests of the Alumni Association. The pioneers are those who registered at Georgia Tech when the college first opened its doors to the students in October, 1888.

In addition to the Pioneers, the other home coming reunion groups are the classes of 1895, 1900, 1905, 1910, 1915, 1920, 1925, 1930, 1935 and 1940. The foregoing with the general alumni, their families, dates, and other friends all assured a most enjoyable time at the many and various events.

The class of 1930, particularly, expects a large number of its members back for the home coming and the tenth anniversary of the graduation of the class.
William Harper Glenn
December 20, 1871—September 24, 1940

At a meeting of the Board of Directors of the Georgia Tech National Alumni Association, held in Atlanta, Georgia, on Tuesday, October 1, 1940, the following resolution was unanimously adopted:

It becomes our sad duty to give expression of our deep regret as directors of the Association, and of our sorrow as men, at the irreparable loss we have sustained in the passing of our fellow worker and beloved friend, William H. Glenn.

He has passed on, but there will remain with us as a precious heritage the memory and inspiration of his exemplary life and of his splendid services to an institution of which he always was a loyal and generous supporter.

Mr. Glenn was born in Cave Springs, Georgia, on December 20, 1871, and died in Atlanta on September 24, 1940. His first registrant, he was graduated from The Georgia School of Technology in its second graduating class, in 1891. He was a trustee of the college, a former president of the Georgia Tech National Alumni Association, and an alumni member of the Georgia Tech Athletic Association.

While Mr. Glenn's interests and responsibilities were numerous, he never failed to give unselfishly of his time and talents to the college that he loved so well. He was a man of high character—public spirited, devoted to his family and his friends, and universally admired and loved by those with whom he came in daily contact.

To his bereaved family, we extend our deepest sympathies. We shall miss him.

Be It Resolved that this resolution be inscribed upon the minutes of the Georgia Tech National Alumni Association, that a copy be published in the next issue of the Georgia Tech Alumnus, and that a copy be sent to his family.
Tech's Army and Navy R. O. T. C.

It is somewhat hard to realize that Georgia Tech has had military training in some degree since the World War in 1917. "The War Class of 1918" saw the advent of this vital work which has been one of the requisites for a period of years for the first two classes, and optional for the two upper classes; the last two years of training are taken as a rule, however, since the students receive compensation for their services and are commissioned in the U. S. Army or Naval Reserves, upon the successful completion of their scholastic and military or naval requirements.

The U. S. Army R. O. T. C., preceded the establishment of the U. S. Navy R. O. T. C. at Georgia Tech. At present, the War Department maintains four fine units at the college, they are: Infantry, Coast Artillery, Signal Corps, and Ordnance.

A comprehensive course, requiring daily work and summer training is given in each unit. The Government has provided equipment valued at several hundred thousand dollars for the use of the military students.

Lieutenant Colonel, Felix E. Gross, C. A. C., U. S. Army, is Commandant of the Military Department. He is ably assisted by a large and efficient staff, also provided from the forces of the United States Army.

The Georgia Tech Naval R. O. T. C.

It was indeed fortunate that the outstanding record of Georgia Tech caused it to be chosen, also, as one of the few colleges of the United States for the establishment of a Naval R. O. T. C.

As is stated in the General Bulletin of the college, "The primary object of the Naval Reserve Officers Training Corps is to provide systematic instruction and training at civil educational institutions which will qualify students for appointment as officers in the Naval Reserve; the Naval Reserve Officers Training Corps will be expected to supply efficient Junior Officers to the Naval Reserve and thus assist in meeting the demands for increased commissioned personnel in emergencies.

The course in Naval Science and Tactics of the Naval Reserve Officers Training Corps is four years' duration, divided into the Basic Course and the Advanced Course.

The Basic Course consists of the first two years of the course in the department of Naval Science and Tactics and is available only for freshman and sophomore classes of the institution.

The Advanced Course consists of the final two years of the course in Naval Science and Tactics, or of such shorter periods of time as may be prescribed by the Secretary of the Navy. The Advanced Course is available only to students who have successfully completed the basic course and who are in the junior and senior years of the academic department."

The subjects taught in careful detail are grouped under four general headings, as follows: Seamanship, Navigation, Ordnance and Gunnery, and Naval Engineering.

An annual summer cruise of from three to four weeks duration is usually provided, and one cruise is required in the advance course.

The Government has furnished the Naval Unit with a very large amount of equipment which also runs into a substantial sum of six figures.

Captain Reed M. Fawell, U. S. Navy, is Commandant and Professor of Naval Science and Tactics of the U. S. Naval R. O. T. C. at Georgia Tech, and is efficiently assisted by a staff of other excellent commissioned officers of the U. S. Navy and additional outstanding petty officers of the U. S. Naval Reserves.

New Secretary of Tech Y

As announced in our last issue, Mr. Charlton H. Commander assumed his duties as general secretary of the Ga. Tech Y. M. C. A. on September 1. He succeeds Mr. Walter McGee who resigned to take an important part in welfare work.

Commander was born in Florence, South Carolina, where he attended the Florence High School. After graduating from high school, he enrolled in Clemson College where he received his Bachelor of Chemistry degree. Upon receiving his degree there he went to the Yale School of Divinity where he was graduated in 1939.

Before coming to Tech on September 1, Mr. Commander was stationed at V. P. I. where he was assistant secretary of the Y. M. C. A. Since being at Tech he has been advisor of the Som-O-Tech and has done a fine job of filling the position left by Walter McGee.

Briaerean Alumni Banquet

All Briaerean Alumni are invited to come to the Annual Alumni Banquet and drink a toast to the Beta chapter of Auburn and to the "soon-to-be-we-hope" Gamma chapter of Illinois Tech (Armour Institute). This will be the first meeting of the Alumni as members of the Briaerean Society since its expansion to national basis; so we hope to make it a big one.

It is planned to have the banquet at the Frances Virginia Tea Room on November 16, Homecoming Day, at 7:00 P. M. The alumni are invited to visit the active members at Harrison Dormitory any time on Homecoming Day.

If you plan to come to the banquet, please drop a card to the Briaerean Society, Georgia Tech, Box 226, Atlanta, Georgia, so reservations can be made.
Important New Methods of Flax Processing Developed at Georgia Tech

Instrumental in the development of a flax-processing machine which may bring flax back as a $13,000,000 Southern farm crop are, left to right, O. C. Falkovich, Dr. Harold Bunger, and Dan Smith. Falkovich and Smith are credited for inventing the device which they are here examining. Dr. Bunger, chief of the Georgia Tech chemical engineering division, supervised the local research.

With few changes only, regular cotton mill machinery at Georgia Tech is turning out sample cloth woven from flax, flax-cotton, and flax-cotton-rayon for suiting, toweling, parachute webbing, and other fabrics.

The foregoing is the result of work for a period of five years in the development of a decorticator, a new machine, which processes flax straw for spinning on cotton mill machinery.

The new process was recently announced by Dr. Harold Bunger, Chief of the Division of Chemical Engineering at Georgia Tech, who supervised the work under Georgia Tech's Experimental Engineering Department.

Dr. Bunger, Professor C. A. Jones, head of the textile department at Tech, O. C. Falkovich, and Dan Smith, machine designers, provided by TVA, all worked together in this modern development.

The machine they devised will take flax straw direct from the farm, wash it and cut it into small strands for use in cotton spinning machines. A dry kneading treatment then removes the wood and hard center material.

Tests conducted at the request of the National Defense Commission showed the newly processed flax fibre in parachute webbing would stand a strain of 1,150 pounds, only 50 pounds below the Army standard. Engineers are hopeful further tests will show the new machine will turn out stronger fibres.

The TVA was looking for a crop that could be planted as an alternate for cotton and tobacco and would break the single crop system’s depletion of Southern soil.

Dr. Bunger stated that Tech is building a pilot plant capable of separating 40 pounds an hour of flax fibre from the wood. He said this plant will allow the school to gauge better the effectiveness of the new process and will serve as a guide for commercial plants. He added that the pilot plant is expected to be in operation by the first of February.

Successful operation of the new machine by industry, asserted economists working with the Tech engineers, would free the United States of its dependence of foreign-grown flax, now difficult to obtain because of the war.

At the same time, the economists said, it would reduce the price of flax to the estimated 15 cents per pound for which the domestic product could be grown. Imported flax now brings 75 cents a pound. Sponsors of the device said in their opinion increased use of flax would in no way decrease consumption of cotton. They pointed out that flax is suited for mixing with cotton, wool or silk, and will provide long durable, absorbent fibres; and that this will neither wad nor bundle, and will resist sudden temperature changes.

The improvement visualizes flax as a big money crop for Southern farmers.

It is stated that a large cotton mill has offered to process whatever fibre is supplied and to carry the stock all the way to the finished fabric, in order to put samples in the hands of sales organizations for a marketing survey.
**Alumni Attain High Positions**

**John Cleveland Allen**, 1931, was recently elected an officer of Rotary International having been named a District Governor by the delegates at the annual convention in Havana, Cuba. He was most active in campus affairs also while in college and in the business world he is now president of the Allen Granite Company of Elberton, Georgia, and secretary of the National Granite Company.

**J. Edgar Hamlett**, 1921, has been elected vice-president of the White Motor Company and will be located in Boston, Mass., with the Company. Outstanding in campus affairs, Mr. Hamlett has been prominent in civic activities and recently served as chairman of the 1940 Red Cross roll call for the Baltimore, Md., chapter.

**Winthrop R. Howard**, 1911, of New York City, president of the Rawlplug Company, was honored by Armando de Arruda Pereira of Sao Paulo, Brazil, at the past meeting of Rotary International in Havana, and was appointed a member of the Refugee Placement Committee of Rotary International.

**Albin O. Holder**, 1925, for the past two and a half years, vice-president of James McCready and Company of New York City, has been elected president of the J. N. Adam Company Stores, with headquarters in Buffalo, N. Y., where he was formerly vice-president. The position carries with it the Chairmanship of the Board of the organization.

**Edgar Kobak**, 1918, is now vice-president of the National Broadcasting Company, 30 Rockefeller Plaza, New York City.

**Robert L. MacDougall**, 1925, steps up again to become director of the Fifth Region of WPA, with supervision of seven Southeastern States.

**C. B. McGehee**, 1923, is now Manager of Sales for the Truscon Steel Company at the General Offices in Youngstown, Ohio.

**Captain R. L. Watkins**, 1926, U. S. Army Reserve, and former president Atlanta Chapter Reserve Officers Association, has been assigned to active duty at the college, as assistant professor of military science and tactics with the R. O. T. C. infantry unit.

**Weddings and Engagements-Cont’d.**

**Spalding-Glenn**

Mrs. Alice Stewart Spalding announces the engagement of her daughter, June Selma, to Mr. William Harper Glenn, Jr. The marriage is to be quietly solemnized in November. Mr. Glenn graduated with a B. S. in Gen. Science in 1935.

**Stalker-Smith**

Mrs. Harriet Gough Stalker has announced the engagement of her daughter, Miss Marie Christiana Stalker, to Milton Morton Smith. The marriage will be solemnized November 19, 1940 in Atlanta. Mr. Smith was a member of the class of 1923.

**Trotter-Ryan**

Attracting cordial interest was the announcement of the engagement of Miss Wynelle Trotter, daughter of Mr. and Mrs. Oscar F. Trotter, to Forrest P. Ryan. The marriage will take place in the near future. Mr. Ryan was graduated in June with a B. S. in Architectural Engineering.

**Wilby-Redd**

Mr. and Mrs. Robert Bailey Wilby recently announced the engagement of their daughter, Miss Alma Elizabeth Wilby, to James Thomas Redd of Kansas City, Missouri. The marriage took place November 12 at the home of the bride's parents on Tuxedo Road. Mr. Redd received his M. S. in Chemical Engineering at Tech.
Interesting Letter Concerning Gene Turner

In an interesting letter of October 9 concerning Gene Turner, Mr. Ben W. Sinclair, 1919, writes as follows:

"Dear Friends:

I must pass on to you interesting paragraphs in a letter recently received from our mutual friend, Gene Turner, in China. It is always an inspiration to hear from such a good friend who is not able to write each of his friends as many letters as he would like, so I have put together for him.

"There have been two interesting experiences recently, which I want to share with you and thru you with others. The other day Al Staton ('22) traveling this way in the interest of Coca Cola, came to town and looked me up. I was scheduled to leave the city the next day, but he was taking a night train without a sleep and I was going for a month or so. I decided to join him, so I had several hours of conversation and intermittent sleep with him, before we separated at Tsianan, capital of this province. Large success has not changed Al's "A man's a man for a' that" spirit, and my visit with him was a privilege.

"The other experience came at the University Club in Shanghai, where I had gone to see my wife off to your side of the world. Admiral T. C. Harte was speaking on the Naval Academy and in the midst of his address, he referred to Dr. Brittain as President of one of the best engineering schools in the world and gave special praise to the highly practical nature of the training received by the students of Georgia Tech. He was speaking of Tech itself in a most gratifying way. The Admiral was for some years Superintendent of the Naval Academy, and is now Admiral of the Asiatic Fleet.

"I shall be coming your way within a year, but in the meantime there will be much traveling for me. I am just back from the trip which I initiated by travelling with Albert Staton, and tomorrow I start on a trip north and shall be gone for a month, or longer. The fact that we have stood by friends here in trying times has opened uncounted doors for us, and offered the best opportunities of all my years here. Contrary to reasonable expectations, our local Associations are going on with their programs, in most cases on a scale larger than before the war. They have recovered from the shock of the earlier months of the occupation by alien forces and even financially they are meeting their budget needs. Such weak human material as your friend Gene Turner and his like constitute the only contribution our Chinese Y's are receiving from abroad, except for funds for student emergency aid. They are meeting their own financial need, and in spite of a five-fold increase in the cost of living over the past three years, thanks to our war."

In a letter to a friend, a copy of which has come to my desk, Gene again expresses his appreciation of his Tech friends. After all, we haven't done so much for him, but this is what he says:

"When it comes to expressing appreciation of what Tech friends mean and have meant to me over the more than quarter of a century I have been away from the Campus, I feel woefully inadequate. If you can help me express it, I shall be grateful. I am in a very true sense Tech's representative, because of what she built into me during the years I had the privilege of living as a friend to its students. There was, for which I am grateful, no authority behind me except that of good will and love for my fellow men during my six years there, and the monument to such relationships which keeps me humble and grateful is the large number of friends from Tech and Atlanta who have been my partners in effort since I left them. I assure you I think of them often of them and of Tech itself with affection and a softening of spirit in every thought."

During the summer Mrs. Turner, on account of health problems, was compelled to leave Gene in China and come home. She writes:

"I meet Gene's friends often, and it is a satisfaction to feel their loyalty throughout the years from Georgia Tech days to today, and to realize that the affection is so mutual—it has meant much to us during our twenty-seven years in China."

I am sure we can appreciate how lonely Gene must be in China these days. Won't you sit down within a week and write him a friendly letter, giving him news about others Tech men in whom Gene is interested.

It is time now for us to gather together funds which enable Gene to continue his valuable service to China in her emergency. I am sure you will want, at least, to continue your gift of last year. To those who can increase their gifts, the Committee will be doubly grateful.

If you did not send us a check last year, I hope you can enable Gene to continue his valuable service to China in her emergency. I am sure you will want, at least, to continue your gift of last year. To those who can increase their gifts, the Committee will be doubly grateful."

Sincerely yours,

B. W. Sinclair, Chairman,

Gene Turner Fund."
Mr. Jack Adair, B.S. in Commerce, 1933, is President of the Adair Realty and Loan Co., Healey Building, Atlanta, Georgia. Mr. Adair is a director of the Atlanta Title and Trust Co., Capital City Club, and other organizations and is also on the Board of the Georgia Tech Alumni Association.

Mr. Raymond C. Broach, B.S. in M.E., 1921, is the Manager of the Georgia Public Utilities Company in Rome, Georgia.

Mr. Ben W. Burton, B.S. in E.E., 1933, is now the District Engineer, Georgia Power Company in Albany, Georgia.

Mr. Leon K. Camp, B.S. in E.E., 1925, is the Purchasing Engineer of the Commonwealth & Southern Corporation, 600 North 18th Street, Birmingham, Ala.

Mr. Franklin Edward Cater, B.S. in T.E., 1925, is a partner in the Ray-Ser Dying Company, Chattanooga, Tenn.

Mr. David J. Fargason, B.S. in Ceramics, 1934, is the Plant Superintendent of the Georgia Kaolin Company in Dry Branch, Ga.

Mr. William Parker Ferguson, B.S. in M.E., 1918, is the Superintendent of the R. N. Nason Paint Co., 151 Potrers Ave., San Francisco, Calif.

Mr. V. F. Fox, B.S. in E.E., 1935, is the local manager of the Georgia Power Company in Auburn, Ga.

Mr. George C. Gardner, B.S. in G.E., 1924, is the District Manager of Sales for the Louis Allis Company in Atlanta.

Mr. Lawrence C. Hays, Jr., B.S., 1937, is a First Lieutenant in the U. S. Marine Corps, Marine Barracks, R. S., PSNYd, Bremerton, Wash.

Mr. M. Earl Heard, Class of 1924, is the Dean of the Philadelphia Textile School, Philadelphia, Pa.

Mr. T. Gardner Hill, B.S. in Aero Engineering, 1939, is now the Administrative Engineer of the Glenn L. Martin Co., Baltimore, Md.

Mr. Robert Stratton Holmes, B.S in C.E., 1938, has been promoted to the Traffic Engineer, Traffic Division National Conservation Bureau, 60 John Street, New York City.

Mr. John P. Ingle, Sr., B.S. in C.E., 1906, is the Secretary of the Associated Industries of Florida in Jacksonville.

Mr. Ralph Meldrin Jones, B.S. in Aero Engineering, 1936, an Engineer in the U. S. Naval Reserve, is the Flight Instructor at the Naval Air Station in Miami, Fla.

Mr. S. A. Kemp, a member of the Class of 1928, has been with the Bureau of Air Commerce and Civil Aeronautics Authority, as the Administrative Officer, since 1934.

Mr. William Lowndes, Jr., Class 1926, is the Secretary of the Southern Weaving Company, Greenville, S. C.

Mr. Jess A. McMurry, a member of the Class of 1919, is the Manager of the Crane Company, 1178 S. Peters Street, New Orleans, La.

Lt. John H. Mulder, B.S. in M.E., 1935, is now a 1st Lieutenant in the 67th Coast Artillery, Fort Bragg, N. C.

Mr. Fred F. Phillips, B.S. in T.E., 1938, is the Vice-President of the Buck Creek Cotton Mills in Siluria, Ala.

Mr. William Marshall Rapp, Jr., B.S. in Commerce, 1927, is the Southeastern Sales Representative of the Mueller Brass Co.

Mr. Robert Lee Reeves, B.S. in Commerce, 1930, is the Sales Manager of Batteries and Spark Plugs for the Firestone Tire & Rubber Company in Akron, Ohio.


Major Leonard P. Warren, 1926, has advanced through the various grades to his present rank in the infantry reserve since he was commissioned Second Lieutenant after graduation. Major Warren has received orders to report to Camp Beauregard in Louisiana.

Mr. Wade Hampton Wright, B.S. in E.E., 1916, is the Secretary of the Georgia Power Company and Assistant to the President in Atlanta.

Mr. Donald W. Yager, B.S. in Commerce, is Attorney and City Judge of Courtland in New York State.

Mr. Willard H. James, B.S. in I.M., 1938, is an Ensign, Naval Aviator, U. S. Naval Reserve, F. A. D., Naval Air Station, Norfolk, Va.

Mr. Jackson Lee Kelly, B.S. in Commerce, 1925, is Assistant District Manager, Goodyear Tire and Rubber Co., 214 Spring St., N. W., Atlanta, Ga.

Mr. Emory B. Rumble, B.S. in M.E., 1926, is General Foreman, R. C. A. Manufacturing Co., Camden, N. J.

Mr. Sergia Antonio Sobredo, B.S. in E.E., 1939, is Assistant Engineer, Standard Oil Co. of Cuba, Belot Refinery, Belot, Regio.

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After being held to one touchdown in the first half, Tech scored three more in the last two periods to win the season's opening game at Grant Field Saturday, Oct. 5, 27 to 0, against Howard College.

Coach Alexander sent in a complete substitute team to start the game, and the Bulldogs kept their goal line inviolate in the first period. In the second quarter the regulars took the field and staged a 96-yard march to the promised land. Three nifty passes from Bosch to George Webb aided materially in the drive. Bobby Dodd bucked over the goal line from the 2 yard line for the first touchdown of the season and Plaster kicked goal.

In the third quarter the Jackets scored their second touchdown on a pass from Dick Bates to Jack Nettles in the end zone. The ball was on Howard's 21 when the successful heave was made. Plaster failed at goal and it was 13 to 0.

The courageous Howard team was weakening fast and the Jackets got two more touchdowns in the fourth period will score him the enemy's 1-foot line en route to their fifth when the game ended.

Tech scored in four plays from the 43-yard line as the fourth quarter got under way. Two passes by Johnny Bosch, the first one to Nettles gaining 17 yards, and the second one to Burroughs gaining 22. Burroughs stumbled across the goal line on this one but his knee touched it as he crossed. Bobby Dodd had to buck it over. Sanders kicked goal. Tech's fourth and last touchdown was setup on a spectacular heave from Bobby Beers to Charlie Burroughs which gained 44 yards. Nettles got eight on a reverse to the six-yard line and shortly afterwards Plaster plunged over. Sanders kicked the goal and the score stood 27-0.

Lecture Program Announced

Dr. Harold B. Friedman, chairman of the Faculty-Student Lecture Bureau, announces a highly diversified and extremely entertaining series of programs for the student body during the coming months.

As the program now stands, Dr. William Lyon Phelps' eminent minister and professor of English, led the list. He will be followed by Tony Sarg, the master puppeteer, caricaturist, mimic and prestidigitator, whose performances are internationally famous. In all probability, the next attraction will be Fiorello La Guardia, the fiery, dynamic mayor of New York City. From the University of Chicago will come one of America's most eminent physicists, Dr. Arthur H. Compton, Dr. Compton has lectured once before at Georgia Tech. It was in the days before the present auditorium was built. At that time, he lectured in the old chapel, and an overflow of students stood on boxes and ladders outside the windows, in order that they might hear this brilliant gentleman.

Sometime later in the season, Warden Lewis E. Lawes of Notre Dame is scheduled to give a talk. The Lecture Bureau Series, the famous Don Cossack Singers will offer their brilliant program of Russian, American and popular music, and in addition to the concert they will perform several famous Russian dances, among them the "Dagger Dance" and the "Kazotsky."

The Lecture Bureau, without making any rash promises, intimates that if the entire program is well received and well attended, it might end the season by presenting another swing band concert, as was done last year.

The success of the entire series depends very largely on the enthusiastic support of these programs by the student body.

In as courageous a showing as could be imagined, Georgia Tech, refusing to be disheartened by savage breaks, dropped a thrilling game to Notre Dame, 26 to 5, 27 to 0, before 50,000 spectators on Oct. 12, at South Bend, Ind.

After clearly outplaying a Notre Dame second team through the first period, Tech suffered-defensive lapses against the Irish first team early in the second quarter and dropped three touchdowns behind in rapid order.

The Irish, largely employing bullet passes, went 86 yards for the first touchdown. Bob Saggau and Bob Hargrave sparked the attack.

It wasn't long afterward until Steve Juzwik got loose on a reverse and ran 60 yards for a touchdown when Tech tackling failed to hem him up on the sidelines.

There wasn't much the Tech team could do about its defense in the second period. Notre Dame went for the third touchdown on a 56-yard burst that required only two passes and three runs.

Saggau threw one 35 yards to Bagarus and another which Bagarus hauled to the five. Saggau ran for two yards which Piepul promptly lost. And then Saggau circled his right end for a touchdown.

It is doubtful if there were many in the stands who figured Tech would ever make much of a showing after this. The courageous Jackets were 20 points behind. It was somewhat stunning.

It was then that Tech put its John Hancock on the double lines. Hancock grabbed a kick-off and fetched it a matter of 90 yards on a brilliant touchdown run.

That gave the Jackets a little spark. They went on into the dressing rooms and came back to outplay the Irish to the bitter end. It was a courageous, warm-blooded fight against tremendous odds. They were behind 26 to 6 as they went into the final period, but refused to believe the score board, it seemed.

After Dick Bates fetched an Irish punt back to Notre Dame's 41, Harry Arthur made a great catch of Bates' pass and fell with the ball at the Notre Dame 12. Drawing a couple of offside penalties, the Irish were backed against the wall. Jack Bradford went over in three tries.

The game Jackets kept firing away and they were rewarded as time was running out with a third touchdown. They went into the dressing rooms and came back to outplay the Irish to the bitter end. It was a courageous, heart-warming fight against tremendous odds. They were behind 26 to 6 as they went into the final period, but refused to believe the score board, it seemed.

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The game Jackets kept firing away and they were rewarded as time was running out with a third touchdown.

Fifty thousand folks won't soon forget that courageous band of boys from 'way down south in Dixie. They made as gallant a showing as any Tech team has ever made.

Tech Awarded Southeastern Meets

At the early fall meeting of the Southeastern A. A. U., in Birmingham, Ala., the delegates awarded the annual track meets of the organization to Georgia Tech for a period of five years beginning in 1941.

The meet will be held each April with Coach W. A. Alexander as chairman.

Other tournaments awarded were handball, to the Memphis Y. M. C. A., and weight-lifting, to the Atlanta Y. M. C. A.

George Griffin, of Georgia Tech, was elected secretary-treasurer to succeed Major Frank Kopf, Atlanta, who has been called into the Army.
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N–Night Games.


Chart courtesy of T. L. Johnson, Ga. Tech 1922, Atlanta Blue Print Co.
Early Thanksgiving Observed

Georgia Tech, in accordance with the proclamations of the state of Georgia and with those of the President of the United States, will celebrate Thanksgiving prematurely this year by permitting the students a whole holiday on Thursday, Nov. 21. Those students who wish to take Friday and Saturday also, as has been the custom of former years, can do so under no penalties other than those imposed for normal everyday attendance infractions.

Tech 19---Vanderbilt 0

Georgia Tech’s bewildering and versatile offense was too much for Vanderbilt on Grant Field, Saturday, Oct. 19, and the Commodores went down under a three-touchdown margin. The score was 19 to 0.

On defense the Yellow Jackets swarmed over the breastworks and tackled so fiercely that the Commodore attack both on the ground and in the air was smothered.

Tech’s first touchdown in the second quarter was disputed. On the two-yard line and first down Bradford’s first three efforts at breaking through gained nothing. On Plaster’s fourth attempt, the linesman ruled the ball had been stopped short of the goal but the umpire held his body was over for the necessary time and the score was awarded by the referee, who said the umpire was closer to the play.

At the start of the game the Jackets staged a great march from midfield to the one-yard line where Vandy made a gallant stand and took the ball away on downs. In the second quarter a beautiful punt by Cavette went out of bounds on Vandy’s 5. Huggins kicked out and Tech started operations from Vandy’s 33. Three passes from Bosch to Beers. Bosch to Webb and Bosch to Ison made a first down on Vandy’s one, where Plaster scored on the fourth plunge. Plaster failed at goal.

A terrific tackle by Elmer Dyke started Tech off on her second touchdown drive. Davis was back to pass deep in Vandy territory. Dyke almost broke him in two with a tackle and he dropped the ball. Webb recovered for Tech on Vandy’s 29. Two running plays took it to the 11 and then Bosch passed into the end zone to Bob Ison for the touchdown. Plaster again failed at goal.

Nettles intercepted a pass a few seconds after the kickoff and returned it in a beautiful run to Vandy’s 27. The Jackets plunged and smashed to the four and Bosch carried it around end for the score. Plaster kicked this one.

For the rest of the game Tech sat on the lid and let Vandy have the ball most of the time. The Commodores couldn’t do any consistent gaining and the fourth quarter had none of the fireworks of the first three.

There was no doubt that the better team won the ball game. The Yellow Jackets arose to the heights and from start to finish had complete command of the situation. They looked like the Orange Bowl champions in action, and brought joy and delight to their supporters in the stand.

There were some 15,000 fans on hand including Vanderbilt’s fine band and a number of other rooters from Tennessee. It was a gorgeous day although the sun must have been rather warm to the players.

Chemists Get Production Course

Graduating chemical engineers, beginning with this year’s senior class, will not only have an excellent background in chemical engineering theory, but also will have had the actual, valuable experience of working in a small scale industrial plant, taking part in the manufacture of chemical products on a commercial scale.

The chemical engineering department, under the head of Dr. Harold Bunger, has incorporated a working course into its curriculum. The course, which lasts six weeks during the summer, is optional. It is a 4.6 credit hour course, being substituted for senior plant design and special problem courses.

Georgia Tech is the first college to include a course of this type in its curriculum so that men receiving a degree in chemical engineering will have a knowledge of both theory and practice in chemical engineering.

The group of students was divided into four shifts—laboratory, operation, construction, and engineering—the students changing shifts each week.

In accordance with industrial plant hour laws, each worker was required to punch a time clock and worked just eight hours a day, the day being divided into three shifts of eight hours, in order that the plant could operate on a twenty-four hour production scale.

Under the direction of Professors Yates and Grubb, last summer, twenty-three of this year’s senior Ch. E.s took the course. An aniline pilot plant, which was designed by last year’s senior Ch. E.s was constructed in the unit operations laboratory. The reaction of the nitration of benzene was carried out to produce nitrobenzene. Reduction of the nitro-benzene produced aniline, which underwent a vacuum distillation to bring the finished product up to commercial grades. Aniline is then used as a dye base.

Tech Naval Unit In Films

A large portion of a recent issue of The March of Time was devoted to a group of pictures entitled "Our Navy of 1940.” Among the scenes shown were many of the Georgia Tech Naval R. O. T. C. unit.

Some of the most realistic of the pictures were those showing the inside of the naval armory. The bridge, the life boats, and the practice loading machines all helped to add to the illusion of a sea-going vessel. Even the sailors were present; each one performing his particular duties in exactly the correct manner.

Among the more picturesque scenes were those of the battalion on the march and of the color guard accompanied by the Navy drum and bugle corps. Shown reviewing the battalion were the Commandant and his staff, resplendent in their uniforms.

To prove the fact that there is more to being a sailor than merely shooting a gun, there were scenes of the communications class signalling in both the International Morse and the semaphore codes. Several scenes of the competitive drill at Grant Field and one of a cadet receiving his commission as an Ensign in the United States Naval Reserve completed the series.
Auburn 16—Tech 7

On Saturday, Oct. 26, the Tech Yellow Jackets bowed in defeat to the hard charging line and powerful backfield of the Auburn Tigers to the tune of 7-16. The Jackets, showing the obvious lack of having held no sustained scrimmage during the previous week, were a jaded team in the third quarter and a completely exhausted eleven at the final gun. "Red" Muerth summed up the condition of the whole team in the third quarter, when he said, "They aren't any better than Vanderbilt, but it's so hot that I just haven't got the energy to get out there and tangle with them."

Rufus Deal catapulted over the line early in the game for Auburn's first score; the big fullback had to be removed at this point of the game with a fractured elbow. Wendling scored late in the second period, when Auburn capitalized on Tech's second miscue, a pass from center dropped by Cavette. The Auburn back ran 37 yards for the tally on his jaunt around left end. Auburn laid the game away in the third period when McGowen converted a field goal from the 20-yard stripe. His first attempt, from the five, had been nullified by a holding penalty against Auburn. Johnny Bosch sparked the Techsters' lone touchdown in the second quarter with passes to Plaster and a lateral to Nettles. Plaster drove to pay dirt on the pass play from Bosch which clicked continually during the game.

The prestidigitations engineers threatened in the third period and drove to Auburn's three, but all of their efforts were nullified, when Bates had the misfortune of having his pass, intended for Nettles, intercepted by Yearout, Auburn safety man.

Coach Alex exemplified the fine spirit that has stood out in the long series of Tech-Auburn contests, when he entered the Auburn dressing room, after the game. He heartily congratulated Captain Dick McGowen on his equally fine team.

Double Deck Stands Proposed

A proposal to increase the seating capacity of Grant Field by 5,000 through construction of a second deck of seats over the west stands will be made to the athletic board, Professor A. H. Armstrong, faculty chairman of athletics at Georgia Tech, recently stated. "Increasing attendance during the past few years, particularly an increasing demand for season seats, has made some increase in the seating capacity advisable," Professor Armstrong said. "The final decision in the matter, of course, is up to the athletic board, made up of Dr. Brittain, six faculty men, three alumni and three students," he pointed out.

The increase in seating capacity, which would cost approximately $65,000, has been under consideration for some time, Professor Armstrong said. The fact that it would probably be approved this year was announced last spring.

The proposal will be presented to the athletic board by Coach William A. Alexander, director of athletics, according to the announcement.

Freshman Football Squad

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<td>Morristown, Tenn</td>
<td>Monroe</td>
<td>190</td>
<td>6' 4&quot;</td>
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<td>Lynch, Charles</td>
<td>G</td>
<td>Atlanta, Ga</td>
<td>North Fulton</td>
<td>180</td>
<td>5' 10 1/2&quot;</td>
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<tr>
<td>MacDonald, A. A.</td>
<td>F</td>
<td>Atlanta, Ga</td>
<td>Marist</td>
<td>188</td>
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<tr>
<td>Manning, Geo.</td>
<td>C</td>
<td>Albany, Ga</td>
<td>Albany High</td>
<td>175</td>
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<tr>
<td>McHugh, W. P.</td>
<td>H</td>
<td>Orville, Ala</td>
<td>Notre Dame</td>
<td>168</td>
<td>5' 11 1/2&quot;</td>
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<tr>
<td>Morrow, Harry</td>
<td>E</td>
<td>Doronomont, Pa</td>
<td>Doronomont High</td>
<td>160</td>
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<tr>
<td>Nickels, Martin</td>
<td>E</td>
<td>Athens, Ga</td>
<td>North Fulton</td>
<td>160</td>
<td>6'</td>
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<tr>
<td>Norvell, N. W.</td>
<td>E</td>
<td>Chattanooga, Tenn</td>
<td>Central High</td>
<td>185</td>
<td>6'</td>
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<tr>
<td>Paschal, W.</td>
<td>H</td>
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<td>Tech High</td>
<td>185</td>
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<tr>
<td>Rambou, O. O.</td>
<td>C</td>
<td>Atlanta, Ga</td>
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<td>175</td>
<td>5' 11&quot;</td>
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<tr>
<td>Ryckey, Ed.</td>
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<td>Woods, Q.</td>
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<td>Savannah High</td>
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<tr>
<td>Smith, Forrest</td>
<td>H</td>
<td>Bolton, Ga</td>
<td>Tech High</td>
<td>150</td>
<td>5' 6&quot;</td>
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<td>Welsh, Preston</td>
<td>T</td>
<td>Atlanta, Ga</td>
<td>North Fulton</td>
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<td>6'</td>
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<tr>
<td>Munroe</td>
<td>T</td>
<td>Quincy, Fla</td>
<td>McCallie</td>
<td>197</td>
<td>6' 1&quot;</td>
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Duke 41—Tech 7

A none too alert, flat, and injury ridden Georgia Tech team met a very definite Nemesis in the form of the Duke Blue Devils at Durham, N. C. on Nov. 2. When the smoke cleared away, the score stood 41-7 in favor of Duke. 32,000 homecoming fans saw the Devils mow the Jackets down for two touchdowns and two extra points before the game was five minutes old. Here is what Duke did for its six touchdowns and five extra points.

Jap Davis started it when he took the ball over center on the first scrimmage play of the day for 77 yards and a touchdown. The huge crowd had hardly settled down in their seats when they arose again to let out a mighty roar for the Jasper who sped straight down the middle, side stepped Bosch and outran Sister Wilkins to the pay dirt.

Tona Ruffa started an epidemic of placements by booting another through the uprights.

It took the Blue Devils three more minutes before they got another one. This time they drove 54 yards in five plays, two of the passes traveled from Rebel McAfee to Lach. A 14-yard sprint over tackle by McAfee helped the cause along.

The climax was McAfee’s 14-yard pass to Lach over the goal line. Ruffa nonchalantly kicked the point and Tech was on the ropes.

The knockout came before the first quarter had ended. The next drive was for 77 yards. And the Blues did it as easily as you walk to town, mainly because of smart and spirited quarterbacking.

The fourth touchdown came on a 75-yard march in the second quarter with Ironface doing the damage. An end around gained one then Swiger ran for six, seven and then nine. He passed to Smith for a first down at the Tech 42. Ison tossed Wartman for a seven-yard loss on a reverse but Swiger faked a pass and ran for 10. Then he got nine more and another first down on the Tech 30. Dempsey got nine and then Swiger capped the climax by passing to Wartman in the end zone—a gain of 21 yards.

That made it 27 to 0, and the Tech fans wanted to go home.

Nonchalantly, the Dukes added another before the half ended. This time they drove 59 yards. The main plug of the drive was a 32-yard pass from Swiger to Smith which put the ball on the Tech five. Four plunges at the line by Siegfried gave the Devils the score. Kar-mazin tried his luck at the extra point and made it, 34 to 0.

Swiger’s tigerlike running sparked the final drive, good for 45 yards.

Duke-Tech-Cont’d

The Yellow Jackets came out after intermission and played better ball. Three times they drove deep into Duke territory but it was the third time before they were able to cash their chips.

The first time they went to the Duke six-yard line and the second time they drove to the 10 before an intercepted pass stopped them.

The Tech touchdown came on a 34-yard march, featuring the passing of Dick Bates and the line-crashing of Ralph Plaster.

The Yellow Jackets returned to Tech, however, with every determination to vindicate themselves in the remaining games of the season.

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<tr>
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<td>Structural Timbers</td>
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<td>Cross Arms</td>
<td>Guard Rail, etc.</td>
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