View at north end of Grant Field, on Third Street, showing the Georgia Tech Naval Armory, at left; the Auditorium - Gymnasium, and the Athletic Office, at right.
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Nature designed your eyes for seeing by daylight. But the average person spends most of his waking hours under artificial light.

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Powdered Light. This luminous powder that you see is a phosphor. Coating the inside of every G-E fluorescent lamp, it transforms invisible rays into soft, cool light. Recently General Electric developed a remarkable new phosphor which will be used in a new fluorescent sun lamp to provide healthful summer sunshine all year round, economically and efficiently. And speaking of economy, G-E lamp research has reduced the cost of a 60-watt G-E bulb by 75% since 1923. Another way in which General Electric helps to bring More Goods to More People at Less Cost.

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What’s the best light for reading? Above is one of many testing devices in the G-E Lighting Research Laboratories. The amount of light on the page and the amount of general illumination inside the sphere are varied to determine best seeing conditions.

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These Georgia School of Technology and hundreds of other college men, represent New England Mutual:

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THIS TIME I'M BRINGING THEM HOME!

It was tough... especially the day when I knew that my own boy was one of hundreds back there in the cars... on the first leg of an overseas journey. But that was yesterday. Today it is different. We're bringin' 'em home.

The happiest of our assignments is to get our service men and women home where they can resume their rightful places in civilian life.

We are proud, too, of our wartime contribution. Since Pearl Harbor, the N. C. & St. L. Railway handled nearly a million and a half men in organized military movements. When it comes to vital war freight... we carried well over 25,000,000 tons... more than four times the weight of the U. S. Navy in 1943!

We are prouder still of the men and women in uniform, the workers and industrialists of America, who made victory possible. The magnificent job they have done will spur us on to work even harder toward the building of a greater, more prosperous South.

BUY AND KEEP VICTORY BONDS

NASHVILLE, CHATTANOOGA & ST. LOUIS RAILWAY
Home Coming and Georgia Game

All alumni and their families, students and other friends are cordially invited to visit the Georgia Tech campus on Saturday, December 1, and participate in the homecoming activities of the day.

A particular feature of the occasion, in addition to the Georgia-Ga. Tech game, will be a series of conducted tours of the campus, starting on the hour from 9:00 a.m., at the Administration Building (old Academic), and continuing through the noon period. The different departments, laboratories, shops, classrooms, and other points of interest will be visited; and a member of the faculty or other competent guide will conduct each group on the campus tour.

Unfortunately, all hotel and rooming accommodations and football tickets have long since been sold out; and, too, in view of the congested traveling conditions, the homecoming week-end must again be somewhat “streamlined.” The usual daily cafeteria luncheon will be served at noon in the Campus Inn cafeteria on the ground floor of the old Administration Building, but the facilities are limited.

Parties and reunion groups will necessarily be confined to more or less local affairs; however, open houses will be held at the fraternity chapters, and the homecoming dances at the Georgia Tech Gymnasium-Auditorium will be among the big events over the week-end. Tickets will be available for the latter at the door.

The annual house decorating contest by the different organizations on the campus, will add much to the occasion. Cocktail hours, football breakfasts, receptions and other parties will be held at the Atlanta social clubs and hotels; so there will be no lack of entertainment, despite the prevailing conditions.
Dr. William Vernon Skiles, popular and beloved, executive dean of the Georgia School of Technology, retired from active duty during October, due to ill health. Dean Skiles has been at Georgia Tech for 40 years; and, in deep appreciation of his distinguished work and leadership, the Board of Regents of the University System has designated him as Dean Emeritus of the college.

Dr. Phil Blasier Narmore, dean of general studies and coordinator of veterans' affairs, was named to succeed Dean Skiles. Dr. Ralph A. Hefner, professor of mathematics, was appointed dean of general studies. Born at Troygrove, Illinois, on April 23, 1879, and after graduating from Illinois State Normal University in 1901, Dean Skiles became superintendent of schools in Melvin and Loda, Ill. He subsequently earned his bachelor of science degree at the University of Chicago in 1906 and immediately came to Georgia Tech as assistant professor in the mathematics department. In 1911 he was granted his master's degree at Harvard, and the University of Georgia made him honorary doctor of science in 1926.

He has held the position of executive dean since 1925 and is a member of the following organizations: A fellow of the American Association for the Advancement of Science, the Georgia Academy of Science, Society of Promotion of Engineering Education, Phi Beta Kappa and other societies. He and his wife, the former Ethel Agnes McWhirter, reside at 1057 Springdale Road, N. E. They have one son, Captain William Vernon Skiles, Jr., an Army doctor just back from duty in the Mediterranean theater.

Dr. Narmore, who becomes executive dean and coordinator of veterans' affairs, was born in Lansing, Mich., in 1902. He earned his B. S. degree at Georgia Tech as a co-operative engineering student in 1925 and was immediately appointed assistant director of the Co-operative Engineering Department and assistant professor in the engineering mechanics department.

In 1939, he was appointed to assist Dean Skiles because of the school's increased registration. In view of his work at Tech, the Navy called him in 1943 to active duty as executive officer for the administration of the Navy College Program, Washington, D. C.

Dr. Narmore is a member of the American Society of Mechanical Engineers, the Society for the Promotion of Engineering Education, American Association of University Professors, Georgia Engineering Society, Georgia Society of Professional Engineers, Georgia Education Association, and the Georgia Academy of Science.

Dr. Hefner, dean of general studies was born in Bluefield, West Virginia, on Dec. 20, 1902, and studied at Roanoke College, receiving his B. S. degree in 1924. Continuing his studies at the University of Chicago, he received the degree of master of science in 1927 and the degree of doctor of philosophy in 1931. Georgia Tech officials asked him in 1929 to accept an appointment in the department of mathematics of which he has since been a member. He has also made a name in Atlanta and Georgia as a lecturer before civic, church and women's groups.

Dr. Hefner is a member of the Georgia Academy of Science, Math. Assoc. of America, American Mathematics Society and other organizations.

**Annual Benefit Game Offers Thrills**

An outstanding football game is definitely promised by the Georgia and Georgia Tech freshmen and "B" squad teams, at Georgia Tech's Grant Field, for the benefit of the Scottish Rite Hospital for Crippled Children, on Thanksgiving Day, November 22.

In addition to participating in a great work, those who purchase tickets to this big, annual event will see a game worth plenty more than the very reasonable admission price. All the receipts go, in full, to the Crippled Children's Hospital; no expenses, whatever, are deducted.

Both teams have a number of former high school stars who will have an opportunity to show their athletic prowess and so give a line on their respective varsity prospects for next year.

Tickets may be purchased from the downtown ticket office in the Georgia Muse Clothing Store, and at the Georgia Tech Athletic Department, or from any of the many public-spirited committee members who are handling the sales; also, at the gates on the day of the game but, of course, the advance sales will take the greater part of the best seats.

(Kindly Note: Due to unavoidable printing delays, copies of this issue of the ALUMNUS may not reach their respective destinations before the Thanksgiving game; however, checks may still be sent in, to any of the ticket offices or committee men, by those who were unable to attend the game or who otherwise wish to contribute to such a worthy cause.)
New West Stand Construction Planned to Start, January 1

An architect's drawing of the West Stands at Grant Field which will be erected at a cost of an estimated $350,000 and will increase the seating capacity of the field by 8,000 seats. Work on the project will begin January 1. Officials have promised a student section in the stands, which will be nearer the center of the field and behind the Georgia Tech bench.

Stadium Remodeling Plans
In addition to the construction that is to start on the new West Stand on or about January 1, plans for remodeling and enlarging the locker facilities and showers, under the East Stands, have also been announced; the latter work is scheduled to begin on December first and will consist of the installation of a thousand or more steel lockers, together with plenty of tiled showers, and other improvements.

Under the expanded physical training program at Georgia Tech, the new lockers, combined with those that will be placed in the proposed new field house, will provide ample dressing room space for all students.

Building of the new West Stand will make it necessary to shift the track and football field a number of feet toward the east. A new track with concrete curbs is being designed. The crown of the football field will be relocated, and the drainage system changed.

Altogether, there will be considerable work going on at Grant Field, following the close of the present football season on December first.

Army ROTC Reactivated
The first college or university in the United States to have its Advanced Reserve Officers Training Corps reactivated by the War Department is the Georgia School of Technology, it was announced jointly on October 25, by Dr. Blake R. Van Leer, President of Georgia Tech, and Major General Edward H. Brooks, Commanding General of the Fourth Service Command.

Alumni Invited to N. Y. Meeting
All alumni and other Georgia Tech friends who plan to be in or near New York City on the evening of November 26 are cordially invited to attend a dinner meeting of the New York Georgia Tech Club, at that time.

President Van Leer of Georgia Tech has accepted the New York Club's invitation to be present; and he proposes to have a highly interesting report ready for the gathering.

The meeting was set to conform with the date of the annual convocation of the American Society of Mechanical Engineers; and many engineers are expected to visit New York during and before the week of November 26.

Each visiting alumnus and every other friend will want to meet our very prominent and progressive alumni in the metropolis, we know, and enjoy a great occasion, as well; so, to those of you who can arrange it, and since it will materially help the committee, if you plan to attend the dinner, telephone to J. F. Hohmann, B. S. Chem. 1936, at Murray Hill 2-6800, Ext. 321; or contact him at Room 502, 30 East 42nd Street, New York 17, N. Y., and make a reservation. Jack Hohman is Secretary-Treasurer of the New York Georgia Tech Club.

Ga. Tech Army ROTC
The new course is now being formulated, in conjunction with the school authorities, by Colonel LeRoy W. Nichols, director of the Army Specialized Training Division, Fourth Service Command.
Alumnus Honored at Oak Ridge

James F. Towers, M. E., 1901, president of Ford, Bacon and Davis, nationally and internationally prominent engineering firm of New York City, recently visited Georgia Tech, on his return to New York, following the Army-Navy "E" award ceremonies at Oak Ridge, Tenn., in which his firm was highly commended, among the other honoraries.

Mr. Towers was honored at a luncheon at the Capital City Club, while in Atlanta, by Frank H. Neely, M. E. '04, president of the Georgia Tech Alumni Foundation. Both Mr. Towers and Mr. Neely, are natives of Rome, Georgia.

Mr. Towers described the Clinton Engineer Works, where the atomic bomb was built, as "a fine monument to American inventiveness, science and industry. "It wouldn't have been possible," he said, "without the co-operation of all three." He added that his firm took less than two years to complete its huge contract on the conditioning plants.

Admiral Jack Towers is a brother of James F. Towers. The admiral also attended Georgia Tech, prior to entering the U. S. Naval Academy.

Reconversion Curricula Adopted

Reconversion of the curricula of the college from a wartime to a peacetime basis has been unanimously agreed upon by the faculty; however, because of Navy, Army, and war training commitments, the change over will be delayed until the end of the 1945-1946 academic year from the present accelerated program to a normal plan on the quarter system instead of the semester schedule.

Under the new system, all dormitories will be put under one management; there will be only one commencement each calendar year, and regular students will be granted bachelor of science degrees in engineering at the end of their fourth year upon successful completion of prescribed courses. Cooperative students, who spent part of their time in school and the other part in industry, will graduate at the end of five years. One advantage of the quarter system will be that students with high scholarship standings will have an opportunity to finish a complete engineering course in three years by pursuing regular courses during the summer quarters.

Georgia Tech was one of the first engineering colleges in the country to institute an accelerated wartime program, long before Pearl Harbor. The plan proved so successful that the Navy Department has used it throughout the country at other institutions operating under the naval training program.

Since the inauguration of the wartime program at Georgia Tech, besides the 12,000 regular students and army and navy trainees, more than 8,000 have attended hundreds of classes in aeronautical engineering, chemistry, chemical engineering, civil engineering, management and supervision, electrical and radio engineering, engineering drafting, mathematics, mechanical engineering, physics and textile engineering. Some of these classes for war workers have been held at various cities and industrial plants throughout Georgia.

Last Wartime Commencement Held

The tenth and last wartime commencement of the Georgia School of Technology took place on Friday, October 19 at 5 P. M. in the school's auditorium, at which time 72 graduates had degrees conferred upon them by President Blake B. Van Leer. Mr. John N. Edy, city manager of Houston, Texas, and the outstanding authority on city management, addressed the graduates on the subject of "Post-War Engineering Opportunities in the South." The invocation and the benediction were given by Dr. Robert W. Burns, minister of the Peachtree Christian Church.

A graduate in civil engineering from the University of Missouri and in political science from the University of California, Mr. J. N. Edy, the commencement speaker, did engineering work in Missouri and in Montana, serving as chief engineer of the Montana Highway Department from 1918 to 1923.

In 1923, Mr. Edy was appointed city manager of Berkeley, Calif., and put the city on a sound financial basis. Since that time he has served in the same capacity in Flint, Mich., Toledo, O., Dallas, Tex., and Houston, Tex. Prior to his present appointment in 1943, he was assistant director of the U. S. Bureau of the Budget in 1935; executive and budget officer of the Federal Works Agency from 1939 to 1942; and assistant commissioner of the Federal Public Housing Authority from 1942 to 1943.

Industrial Engineering Course Started

To provide the trained engineers who advise and direct the people responsible for the location, construction, equipping and operation of the many new industrial plants coming to Georgia and the South, the Georgia School of Technology has instituted a course in "Industrial Engineering." Professor Frank F. Groseclose heads the department which offers to freshmen and upper classmen a sound basic training in the fundamentals of engineering, supplemented by social, economic training and management, that will prepare them for leadership in the broad field of industry. "One of the lessons learned from this war," Professor Groseclose states, "has been the great lack of industrial engineers, particularly in the South, and it is the aim of my department to rectify that situation and also to aid in the plans to make Georgia a model state in the balance between agriculture and industry."

Only outstanding young men, veterans as well as civilians, are being accepted for the course, since the curriculum in industrial engineering offers a real challenge to them. According to Professor Groseclose, the course is not necessarily more difficult than most other major engineering curricula but the successful completion of the work in industrial engineering does require a more versatile and broader mind plus high moral character and outstanding personality, because of the broad personal contacts and requirements for dealing with many people including both the newest employees and those of top management.
Colonel Van Leer Appointed to Land Grant Committee

At its fifty-ninth annual convention, recently held in Chicago, the Association of Land-Grant Colleges and Universities formed a Special Veterans' Committee to represent the association on all legislative matters affecting the veterans. Appointed to the committee, by the president of the association, Dr. C. S. Boucher, were: Dr. Herman Lee Donovan, President of the University of Kentucky, chairman; Dr. Milton Stover Eisenhower, President of the University of Kansas, and Dr. Blake Ragsdale Van Leer, President of the Georgia School of Technology.

The two-day meeting was dedicated to "Postwar Services to the Nation," which consists of required adjustments, an educational program for veterans, a program for agriculture and home, and a program for the future. Because of the restrictions on travel which are still in force, the meeting was confined to the Executive Committee, Experiment Station Organization and Policy Committee, Instruction in Home Economics Committee, and the Engineering Experiment Station Committee.

Ga. Tech's AC Network Board

Generous and significant editorials in the Atlanta newspapers and other leading publications throughout the Southeast, followed Georgia Tech's announcement of the magnanimous and far-reaching contribution that was made by the Georgia Power Company during the latter part of the summer, to the Georgia Tech Alumni Foundation.

The genuine and constructive interest of the Georgia Power Company and likewise, the invaluable support of such eminent papers indeed combined to evoke the sincerest of all thanks not only from a single college but from an entire section of a great nation.

The largest and latest type, A. C. Network Calculator has been ordered by Georgia Tech with the funds that were provided by the Power Company, and delivery has been promised by next autumn. The Board will be set up in a large wing which will be added to the Georgia Tech Experiment Station, and it will be available for industry over the entire Southeast in addition to its uses for instruction and research purposes.

Under the caption "Princely Gift and More", the Atlanta Journal carried an excellent editorial on the subject in one of its Sunday editions during the summer; it stated: "The Georgia Power Company's $100,000 contribution to the Georgia Tech Alumni Foundation is a good deal more than a princely gift. It is also a harbinger of good things in the industrial revolution with which the South must meet its peace-time destiny.

"If the economic and social levels of Georgia and our neighboring states are raised—and raised they will be—the motive power will come from industrial and technological education. The Electronic Age is here. The Atomic Age is dawning. Scientific knowledge and scientific research have emerged from the realm of desirability and have entered the status of categorical imperative.

Students Design Needed Housing

In view of the housing situation in the State of Georgia and in cooperation with director Lee S. Trimble and his committee on the business panel of the Georgia Agricultural and Industrial Board, professor Edward A. Moultrop, of the Georgia Tech Department of Architecture, assigned four of his students to the practical project of selecting suitable sites, laying out grounds, and designing the buildings for model and strictly first-class tourist courts.

The group chose a hilltop site on the Marietta, Ga., highway, with an excellent view of Kennesaw, and Blackjack mountains.

Complete tourist facilities are provided in the courts, along with week-end cabins for families and overnight lodges all to include one or two bedrooms, bath, and private, adjoining shelter for automobiles.

Mr. Trimble will have the foregoing plans available at an early date, along with others, for prospective builders.

AC Network Board—(Cont'd)

"The South must keep pace with progress. We must keep our priceless asset, our human power, at home and to do so we must equip our human power with education to meet the requirements of the times.

"The Georgia Tech Foundation has the primary purpose of supplementing state-aid in order that the institution may be able to perform the educational service incumbent upon it. The generous contribution of the Georgia Power Company, it is hoped, will be followed by many others from the business and civic leaders of Georgia and the South. Already alumni have given considerably more than $100,000. So, a fine beginning has been made. But, encouraging as the situation is, it is only a beginning."
Gold Star Alumni

Ensign James T. Causey, Jr., former Georgia Tech student, son of Mr. and Mrs. James T. Causey, formerly of Atlanta, drowned off Saipan when his plane, a Navy patrol bomber, crashed on a flight to Tokyo on September 16, 1945. The body was recovered and buried in the American Cemetery at Saipan.

The death of Lieutenant William Benjamin Cogburn, Class of 1944, killed in line of duty September 6, 1945, over Kyushu, farthest south of the Japanese home islands, was reported to his parents, Mr. and Mrs. J. C. Cogburn, Sr., 183 Lindbergh Drive, Atlanta, with no details yet revealed by the War Department's message.

Lieut. Cogburn, a star quarterback at Tech High and Georgia Tech, and one of the most popular football players ever at Tech, was a fighter pilot. He left Georgia Tech in 1942 to enter the Air Corps.

Capt. Fred W. Evans, Jr., son of Mr. and Mrs. Fred W. Evans of 913 Ormewood Terrace, S. E., Atlanta, was killed in action in Germany on August 14, 1945, his family has been notified.

Pilot of a P-38 plane, he had received the Air Medal with nine Oak Leaf Clusters, the Bronze Star Medal and the posthumous award of the Belgian Fourragere citation. He was graduated from Georgia Tech in 1942 with a B.S. degree in Chemistry.

Word has just recently been received that Sergeant Raymond O. Metcalf, of Westminster, Vermont, was killed in action in Italy on January 26, 1944. Sergeant Metcalf graduated from Georgia Tech with a B.S. in Chemistry, 1939.

Births

Bearnse

Lieut. and Mrs. Asa T. Bearse, Jr., announce the birth of a daughter, Avis Carolyne, on August 8, 1945, at Atlanta, Ga.

Lieutenant Bearse graduated from Georgia Tech with a B.S. in M. E., 1943, and is now stationed in Manilla.

Brigman

Capt. and Mrs. James A. Brigman announce the birth of a daughter, Suzanne Marya, on September 23, 1945, at Sacramento, Calif.

Captain Brigman graduated from Georgia Tech in 1934 with a B.S. in E.E., degree.

Clarke

Mr. and Mrs. Reverdy E. Clarke announce the birth of a daughter, Barbara Hudgin, on September 10, 1945, at Emory Hospital, Atlanta, Ga.

Mr. Clarke was graduated from Georgia Tech in 1931 with a B.S. in E.E., degree.

Eldred

Mr. and Mrs. Thomas J. Eldred announce the birth of a daughter, Mary Elizabeth, on October 13, 1945, at Greenville, S. C.

Mr. Eldred attended Georgia Tech with the class of 1924.

Singer

Lieut. and Mrs. Paris G. Singer announce the birth of a daughter, Paris Suzanne, on September 20, 1945, at Emory Hospital, Atlanta, Ga.

Lt. Singer graduated from Georgia Tech with a B.S. degree in G.E., 1941, and is now stationed in Hawaii.

Missing in Action

1st Lieut. Jewell H. Boggus, Army Air Corps pilot, has been missing in action in the China-Burma-India theater since August 1, 1945, his family in Vincennes, Ind., have been advised by the War Department.

A former Georgia Tech student, Lieutenant Boggus enlisted June 8, 1941.

Lieutenant Jack Tomlin, 1943 Georgia Tech graduate, who was captured by the Germans, is still reported as missing. No definite news has been received, although it has been reported by some of his patrol members that he died in a German field hospital.

A very fine tribute was paid to Lieutenant Tomlin by the members of the 406th Infantry, in the form of a pamphlet entitled, "His Last Mission," copy of which was sent to the alumni office.

Weddings and Engagements

Davis - Allen

Lieut. Colonel Ralph E. Davis, U. S. M. C. retired, and Mrs. Davis announce the betrothal of their daughter, Miss Layne Eaton Davis, to Lieutenant Thomas B. Allen, A. U. S., of Savannah, Georgia. Wedding plans will be announced later.

Lieutenant Allen graduated from Georgia Tech in 1942 with a B.S. in I. M. degree.

Hancock - Weaver

Mrs. White Hancock announces the marriage of her daughter, Mary White, to Lieutenant (j.g.) James Drake Weaver, USNR, of Dawson and Atlanta; the marriage took place October 13, at the home of the bride's grandmother in Atlanta.

Lieutenant Weaver attended Georgia Tech with the class of 1944.

Holland - Bell

Mrs. Willis Algeoan Holland announces the engagement of her daughter, Martha Sue Holland, to First Lieutenant James Tommie Bell, Jr., U. S. Army, of Live Oak. The wedding plans will be announced later.

Lieutenant Bell received his B.S. in C. E. at Georgia Tech in 1942.

Jernigan - Samford

Mr. and Mrs. Charles N. Jernigan announce the engagement of their daughter, Lieutenant (j.g.) Marguerite Jernigan, to Lieutenant (j.g.) Charles Edward Samford.

Lieutenant Samford was graduated from Georgia Tech in 1938.

Mattox - Rogers

Mrs. W. Leckie Mattox announces the marriage of her daughter, Gabrielle Johnson, to Lt. Jonathan Clark Rogers, Jr., U. S. A., of Dahlonega, Georgia.

Lt. Rogers graduated from Georgia Tech with a B.S. in I. M. 1943; he was a member of the Beta Theta Pi fraternity.

Smith - Pollard

Mrs. W. Henry Smith announces the marriage of her daughter, Harriet Edgeworth, to Lieutenant Warren Randolph Pollard, Jr., on Thursday, October 18, 1945, at St. Phillips Cathedral in Atlanta. Lieut. Pollard received his B.S. in A.E. at Georgia Tech in 1943.

Pollard received his B.S. in A.E. at Georgia Tech in 1943.
Auburn and Georgia Tech Alumni Tie in Radio Quiz

On Thursday evening, October 25, 1945, a Georgia Tech Alumni Team, consisting of W. A. Alexander, '12; Robert B. Wilby, '08; J. C. Harris, Jr., '08, and Phil B. Narmore, '25, engaged a strong team of other scholars, representing the Auburn Alumni, on a quiz program broadcast over Georgia Tech's Radio Station WGST. This was the first time, in the two-year history of the weekly program, that any two teams made perfect scores; thereby demonstrating that each college produces scholars as well as football players. The final score as reported by the umpires was 185 to 185 in points, but in money prizes Georgia Tech was ahead $70.00 to $45.00.

It is needless to say that the Georgia Tech team winnings were contributed to the Crippled Children's Home that will be so materially benefited, as usual, by the receipts in full from the Thanksgiving Day football game between the Georgia Tech and University of Georgia freshmen teams, at Grant Field, in Atlanta.

Service Citations and Mentions

1st Lt. John P. Adams, Jr., class of 1943, is Battalion Adjutant in Headquarters 2756 Engineers Combat Bn., at Marseilles, France.

Lieut. Jack Adair, USNR, has returned to Atlanta after three years' service in the Navy.

Sgt. Danforth P. Bearse, '44, is recuperating in Finney General Hospital from wounds received in action. He is the holder of a Bronze Star and a Purple Heart.

Lieut. Commander L. D. Crockett, '39, received the Distinguished Flying Cross for his part in the fight against the German submarines in the Caribbean Sea.

Commander James L. Elrod, B.S. in M.E., '34, has been discharged after having served five years in the Navy. He is now sales engineer for General Electric Company, Atlanta.

Lt. Col. A. A. Futrel, B.S. in C. E., 1932, is on terminal leave, awaiting discharge from the Army, where he served with C.A.C. (A.A.).

Robert I. Gibbs, Jr., B.S. Che, '41, has been promoted to rank of Lieutenant Commander, USNR. He has served in the Navy since August, 1941.

Major Julian Harris, B.S. Arch. 1928, recently visited his family in Atlanta after having served as chief of special planning, Headquarters AAF, near Calcutta, India.

Major George S. Haymans, Jr., B.S. in E.E., 1932, of Savannah, Ga., has been honorably relieved from active duty with the Army Signal Corps. With more than four years service, he spent two years in overseas theatres.

Captain Robert F. Head, Jr., of Atlanta, is home after seeing action in North Africa, Tunisia, Sicily, Italy, France and Germany. He holds the Bronze Star and E.T.O. ribbon with eight campaign stars and arrowheads denoting participating in D-Day landings.

Commander James Leland Jackson, B.S. in Gen. Sci. 1935, was skipper of the first U. S. or Allied ship to enter Tokyo Bay.

Major Thomas F. James, of Bennettsville, S. C., is with the Engineer Construction Command in Manila. He wears the American Defense Ribbon, the Asiatic-Pacific Theater Ribbon with three bronze campaign stars, and the Philippine Liberation Ribbon.

1st Lt. Charles F. Ketchey, B.S. in E.E., 1942, is on terminal leave, having served in the Signal Corps overseas for 2 years. He was awarded the Belgian Fourragere, Meritorious Service Plaque and four campaign stars.

Major Buxton Layton, Jr., B.S. in Ch.E. 1936, has been liberated, after having been held a Japanese prisoner since the fall of the Philippines.

Lieu.t Colonel Frederick W. Long, Georgia Tech 1926, of Sarasota, Fla., was among the first Americans to enter the city of Vienna as a member of General Mark W. Clark's U. S. Forces in Austria. He holds the Tunisian decoration of Order of Nichan-Tiftikar, Degree of Commander.

Lt. Robert E. McCallum, Jr., USNR, received the Commendation Ribbon for his services in operations against the enemy in the Southwest Pacific area. Lt. McCallum plans to return to Georgia Tech to work on a B.S. degree in Textile Engineering.

Lt. Colonel Robert M. McFarland, Jr., 1921, of Atlanta, has served overseas for more than 36 months. He was recently awarded the Bronze Star Medal and he also wears the American Defense Ribbon, Mediterranean Theater Ribbon with three Battle Participation Stars, the Legion of Merit, Order of the British Empire, and British Bronze Oak Leaf.

(Continued on next page)
Deaths

ROBERT A. ALSTON

Robert A. Alston, 1898, died September 15, 1945, following an illness of several months. 

Mr. Alston, a lifetime resident of Atlanta, retired from the real estate business several years ago, when his health began to fail. He was a member of the Sigma Alpha Epsilon fraternity.

Besides his wife, the former Miss Mary McPherson, of Nashville, Tenn., Mr. Alston is survived by two sons, Robert A. Alston, Jr., and Dr. Wallace Alston, of Atlanta, and a brother, A. H. Alston, of Augusta, Ga.

JAMES F. MYRICK

James F. Myrick, 1912, died suddenly on July 27, 1945, at Silver Spring, Maryland.

At the time of his death he was an Administrative Assistant in the Secretary's office, of the Department of Interior.

BENJAMIN W. HOLTZCLAW

Benjamin West Holtzclaw, B. S. in M. E., 1901, chief engineer of the Taylor Iron Works, Macon, Ga., died in a Macon hospital on November 2, after a brief illness.

Mr. Holtzclaw was born Nov. 23, 1881 in Perry, Ga., son of the late Robert N. and Evelyn Gillen Holtzclaw. In 1901 he was graduated from Georgia Tech and was a member of the S. A. E. Fraternity. He is a former member of the American Society of Mechanical Engineers. Widely known as a mechanical engineer he has been engaged in this field in Louisville and Chattanooga. For many years he has made his home in Macon, living at 206 Clayton Street.

An active church worker, he was a member of the board of elders of the Vineville Presbyterian Church.

Surviving are his wife, the former Miss Mary Moore; three daughters, Miss Evelyn West Holtzclaw, of Macon, Mrs. Tracy Middlebrooks, Brunswick and Mrs. Griffith Quimby, of Baltimore; a sister, Mrs. C. B. Almon, Fort Valley; two brothers, Jack B. Holtzclaw, Richmond, Va., and E. Holtzclaw, Perry; two aunts, Mrs. C. B. Holt, of Macon, and Mrs. R. C. Holtzclaw, Tampa, Fla., and three grandchildren.

GUY B. TURNER

Guy B. Turner, Cr., B. S. in M. E., 1921, prominent in business, fraternal and religious activities, died in an Atlanta, Ga., hospital on November 10, following a sudden illness with which he was stricken three days before, while presiding at a luncheon of the Atlanta Chapter of Alpha Tau Omega, Alumni Society of which he was president. He was 48 years of age.

Mr. Turner was Georgia district engineer of the Harrington & Thomas, Atlanta.

Deaths—(Cont'd)

Service Mentions and Citations—(Cont’d)

Commander L. Allen Morris, Jr., of Atlanta, served as an aide to Vice Admiral William Glassford and had a front seat at the council tables in North Africa in 1942.

Lt. Colonel Ben L. Mattingly, B.S. in A.E., 1934, recently visited the Georgia Tech campus. He served with a Chemical Warfare Division in Sicily, Italy, North Africa, France and Germany.

Lt. Colonel Alfred H. Palmer, B.S. in Comm. 1932, of Atlanta, recently was awarded the Bronze Star Medal. Overseas 30 months, Col. Palmer also wears the American Defense Ribbon, the Mediterranean Theater Ribbon with three Battle Participation Stars, and the Crown of Italy, an Italian decoration.

Major L. W. Robert III, Paratrooper, Georgia Tech 1934, was in Atlanta recently on leave and is on his way back to civilian life.

Col. James C. Selser, Jr., B.S. in A.E. 1933, arrived in the States recently from Hawaii. Colonel Selser was commanding officer of the 444th group of the 20th Air Force. He wears the DFC, Bronze Star and the Okinawa Invasion Ribbon.

Lt. Col. James D. Shearouse, B.S. in M.E., 1933, has received his discharge and has opened his office in Atlanta. While in the army he served in Normandy, Northern France, and holds the Legion of Merit, Bronze Star Medal and Croix de Guerre.

Lt. Commander H. Dean Spratlin, Georgia Tech 1939, has been released from naval service after nearly five years' submarine duty and is returning to his former position on the sales staff of Spratlin, Harrington & Thomas, Atlanta.

Lt. Colonel Pat M. Stevens III, B.S. in M.E., 1933, has returned from the European Theater where he spent 32 months. He was awarded the Purple Heart and the Bronze Star.

Colonel Benjamin B. Talley, B.S. in M.E., 1925, has recently been awarded the Croix de Guerre with palm. In December, 1944, Colonel Talley was selected to command the First Engineer Special Brigade—the invasion specialists' outfit that went in on Okinawa.

First Lieut. George R. Vanden - Heuvel, B.S. in M.E., 1939, of Meiers Corners, N. Y., P-51 Mustang pilot, winner of the air medal with 13 clusters has received another D.F.C., with cluster, in lieu of a second D.F.C.

Deaths—(Cont'd)

Active in religious circles, he was for many years a member of the board of stewards of the St. Mark's Methodist Episcopal Church.

Born in Conyers, he moved to Atlanta in early youth and was a graduate of Tech High School and Georgia Tech, where he received an M. E. degree as a member of the class of 1921. He was a member of the American Society of Mechanical Engineers, the Sardis Masonic Lodge and the American Legion, Post No. 1. Mr. Turner resided at 521 Peachtree Circle, Northeast.

Surviving are his wife; a son, Guy B. Turner, Jr., and a daughter, Miss Mary Ann Turner.
Enrollment Greatly Increases

Fifty per cent more students enrolled for the fall than were registered in the summer term, it was reported by Colonel Blake R. Van Leer, President of the Georgia School of Technology. The roll of more than 1900 students includes registrants from practically every county in Georgia, approximately 500 veterans from theaters of operation in all parts of the world, and 724 naval trainees. In addition, the Extension Division of the school has registered more than 400 veterans in the Georgia Tech Division of Emergency Training and about 250 veterans and civilians in the evening school. Hundreds of civilians and veterans who applied for admission did not register because of their inability to secure rooms in Atlanta. The limited dormitory facilities of the school and the 75 apartment units in the Marietta Housing Project, set aside for married veterans, were completely filled two weeks before the opening of the fall term.

Recognizing the fact that many veterans have been away from high school and college for as much as five years, Georgia Tech, one of the first colleges in the country to inaugurate, with the assistance of the Veterans Administration, a Division of Emergency Training which gives refresher courses to returning veterans, prior to their entry as regular students at Georgia Tech or any other college. Furthermore, both veterans and war workers, who do not wish to pursue a regular college course but desire training as technicians, have been given the opportunity of taking special courses in the Evening School in such subjects as air conditioning, building construction, heating and ventilating drafting, radio and electronics, machine shop, and the various other fields of engineering.

The 1,900 regular day students are registered in all the courses offered at Georgia Tech; including aeronautical, architectural, chemical, civil, electrical, general, industrial, mechanical, public health and textile engineering; architecture; chemistry; naval science; physics; and industrial management. There are 15 graduates of Georgia Tech and other engineering and scientific schools who are continuing their studies in the various fields of engineering and science in the Division of Graduate Studies, headed by Dr. Robert Irving Scharbacher, one of the country's outstanding authorities in electronics and atomic energy.

In its reconversion from war to peace training and education, the Georgia School of Technology has instituted many new departments and programs for the incoming students. Recognizing the need of physical fitness, the school has installed and now gives to all students an excellent physical training program under the guidance of Coach W. A. Alexander, professor and head of the department of physical training. New departments include those of safety engineering headed by Prof. William N. Cox, industrial engineering headed by Prof. Frank F. Groseclose, and psychophysics headed by Prof. Joseph E. Moore. This latter department not only teaches the courses in psychology to the students but also has charge of the school's testing and guidance program for students and veterans. With the return of Prof. Janes E. McDaniel from the War Manpower Commission, the school's Co-operative Department

Alumni Mention

Dr. Fred W. Cox, Jr., B.S. Ch.E., 1936, is now located in Birmingham, Alabama, as Project Leader for the Southern Research Institute.

Arthur B. Edge, Jr., B.S. in T.E., 1926, has been named President of Callaway Mills, LaGrange, Georgia, to succeed Fuller E. Callaway, Jr., '26. Mr. Callaway expects to devote his full time to the work of Callaway Community Foundation and other outside interests.

Thomas W. Fitzgerald, B.S. in M.E., 1942, has joined the Engineering and Maintenance Department of Eastman Kodak Co., Rochester, N. Y.

Judy Harlan, Georgia Tech 1922, formerly of Chicago, is back in Atlanta to stay—after having been away for a number of years.

Georgia Tech alumni in the Corinth Machinery Company are justifiably proud of their part in bringing about the end of the war, and have published a pamphlet entitled "A Wartime Romance" which gives a complete report on more than three and a half years of fighting on the production front.

N. Baxter Maddox, Georgia Tech 1922, vice-president and trust officer of the First National Bank of Atlanta, has been elected as a member of the executive committee of the trust division of the American Bankers Association. Only five men throughout the United States are elected to his important committee, every three years.

Mr. Tarver S. Murphy, Sr., B.S. in M.E., 1901, is connected with Swainsboro Lumber Company, Swainsboro, Georgia. Mr. Murphy played on the baseball team during 1899, 1900 and 1901. His son, T. S. Murphy, Jr., of East Orange, N. J., also attended Georgia Tech, having graduated with B.S. in E.E., 1922.

O. H. Sale, Georgia Tech 1926, has become associated with the Davidson-Kennedy Company, as Vice-President in Charge of Sales and Engineering.

John Slaton, Jr., class of 1917, has been appointed deputy administrator for Veterans' Affairs, with headquarters at Atlanta. This appointment was made by Lieut. General Omar N. Bradley, Veterans' Administration chief.

J. J. Westbrook and W. Ches Smith, Jr., both Georgia Tech alumni, recently announced the organization of Westbrook-Smith Motors, Ltd., at 228 North Main Street, East Point, Georgia, to handle the Dodge and Plymouth cars and Dodge trucks dealership. In addition to the dealership, they will maintain a parts and service department.

Enrollment Increased—(Cont'd)

has been completely reactivated and 77 students are now either studying at school or working in various industries throughout the Southeast, under the direction of the department.

Since Georgia Tech is the only college or university in the United States that has housing available for married veterans, Executive Dean Phil B. Narimore, coordinator of veterans affairs, prevailed upon the officials of the Marietta Place Housing Project to make available 80 more apartment units for students when the original allotment of 75 units was filled.
Prof. Honnell Develops Electronic Device

Electronics has made it possible within the past few years to transmit voice and signal communication over the high-power transmission lines of electric companies. Just prior to the war, complex electronic devices had been developed which made it possible for these power lines to carry not only electric current but also a half dozen or more telephone and telegraph circuits. However, due to the cost of these devices and the material shortages caused by the war, the application of them has been limited. Following a year of research on the problem, Professor M. A. Honnell, of the Georgia School of Technology, has developed a very much simplified device which in size, weight and cost is less than half of the original equipment.

Called a “single-sideband generator,” the Georgia Tech device uses the familiar radio vacuum tubes but eliminates the need for highly selective filters. Professor Honnell states that the generator can also be used in the field of radio communications by making it possible to send more than one signal over a single frequency, on long-distance telephone lines which are now overcrowded, in the testing of new airplanes, and for transmitting radio impulses to robot airplanes. As part of its public service program, Georgia Tech through Professor Honnell is making this new development available to industry and the public without any charge whatsoever. Circuit diagrams, equations, curve charts, and other pertinent details will be found in the November, 1945, issue of the magazine, Electronics.

Students Hear AIEE President

Members of the Tech chapter of AIEE recently heard Dr. William E. Wickenden, 1945-46 president of AIEE, in an address, “Engineers Face Their Post-War Problems.” Dr. Wickenden, also president of the Case School of Applied Science at Cleveland, spoke at a meeting of the Georgia Society of Professional Engineers and the Georgia Section of AIEE.

He discussed the need for an organization of all engineers to influence public policy in regards to research such as that which made possible the atomic bomb. Individual research, unrestricted by government, is necessary for the maximum development. Nearly all of the great discoveries in the past have been made by men who were exploring unknown realms from pure intellectual curiosity and they were not after the answer to any specific problems, he revealed.

Electricity will not become obsolete in an age of atomic power, he added, since it is but a very versatile and efficient medium of exchange in the world of energy.

Alumni Foundation Given $10,000 For Georgia Tech C.E. Laboratory

Realizing the need of engineering research and testing facilities for such Georgia projects as the extension of the Chattahoochee River waterway to Atlanta, ports development, sewerage systems for cities and towns, oil and gas pipe lines, and irrigation, the Civil Engineering Department of the Georgia School of Technology is expanding its hydraulic division, it was announced by Cherry L. Emerson, Dean of Engineering. In connection with this expansion, the Georgia Tech Alumni Foundation has supplied the initial impetus with a grant of $10,000 to equip the division with a modern up-to-date fluid-flow laboratory. The funds were most generously contributed by a prominent Southern company interested in fluid flow development.

Professor Thomas H. Evans, head of the Civil Engineering Department, states that the work of the division will be under the supervision of Professor Carl E. Kindsvater, who will join the Georgia Tech faculty after the completion of his present work with the U. S. Engineers Department, Little Rock, Ark. Mr. Kindsvater is a graduate of Kansas State College and the University of Iowa, has written several engineering articles on his work with TVA and the U. S. Engineers, and is well known throughout the country in the field of hydraulic engineering.

Besides its use for research, the new fluid-flow laboratory will provide complete training for undergraduate students in fluid mechanics as well as making possible advanced study of fluid flow processes by graduate students. It is expected that these courses will be available in the near future.

Glee Club Helps Bond Rally

On Monday, November 12, the Georgia Tech Glee Club helped with the gigantic War Bond Rally that was held in the Fox Theater to promote the Eighth War Bond Drive.

The Glee Club, which is rapidly approaching it pre-war size, took part in the program and sang a number of songs. This was the second public appearance for the Tech singers, their first was at Agnes Scott where they gave the opera “Martha” in collaboration with some of the fairer sex from the local schools and Agnes Scott.

Following up their appearance at the Bond Rally, the Glee Club will return to the Fox for a week's engagement sometime in the very near future. They will also make another appearance on the Agnes Scott campus, where they and the Glee Club from Scott will put on the operetta, “The Pirates of Penzance.” Further engagements for the Glee Club are being planned; but, as yet, no definite details have been given out.
Large Number of Naval Students Register for Fall Term

Long line of Georgia Tech regular and transfer naval students reporting for registration from the Naval Amory to the east entrance of the Auditorium, for the fall term that began on October 29.

724 Naval Trainees Registered

After an unusually heavy enrollment, Tech's student body has increased to 1848, the largest number of students present on the campus since October, 1943. Civilian students entering Tech this term number 774, the largest single group of students to enter since October, 1942. Of these, 460 are first term freshmen, and the others are former Tech students and transfers from other schools.

In announcing these figures, Registrar Lloyd W. Chapin stressed the fact, at the time, that they were only tentative since all old students had not paid their fees and only an estimate of their number was available.

724 NAVAL TRAINEES

The Navy trainees total 724 of whom 223 are in V-12, all seniors; 336 are in NROTC, and 165 are in the V-5 program. Some of the V-5 trainees have been in college before and some are entering for the first time. Navy trainees transferred to Tech this semester from Sewanee, Howard, Newberry, Mercer, and Emory.

The Division of Emergency Training enrollment totals 379 and the Night school totals 245 students. These figures are not included in the 1848 total enrollment as they are not regular students.

The total number of students on the campus this term, including the two foregoing, is 2472.

Basket Ball Practice Starts

With barely a month to go until the leadoff game of the season with Clemson on December 20, the basketball squad is getting into shape on a schedule of four practices each week.

At a special scrimmage practice, 25 courtmen were selected tentatively to compose the Yellow Jacket squad.

Although the team shows a good deal of promise for the coming season, its chances will undoubtedly be hurt by the fact that there are only a very few experienced lettermen returning.

Swimming Squad Reports

Pre-season practice for the varsity swimming team was started during the first week of November by Coach Freddie Lanoue, with emphasis on conditioning. A group of hopefuls, led by Rial Rolfe of last year's squad, turned out for the initial practice.

Coach Lanoue pointed out that there were vacancies for nearly every position and urged everyone with swimming experience to report to the pool.
Dear Friends:

All summer I wanted to write this letter, but too much was happening. I am still speechless, but the war is past, ending where it was hatched. Beginning with a great surprise, it ended with a greater. With it ended, too, the most fantastic dream of power in history. Even so, we know that this greatest of wars and its end are only a beginning to the greater fight to win our peace and toward the inauguration of our trained personnel and our science-loaded power into the new era upon us. We can do do less than pray for guidance as we face its problems. "Not by might, nor by power, but by my spirit, saith the Lord of hosts."

Citizenship in a nation which while hating war, could still wage it effectively and even in pursuit of our best national ideals, has been a source of great pride to me. I have seen the build-up of our forces out here, the arrival of our boys by the tens of thousands, their penetration into this great land, the establishment of hundreds of air fields, supply depots and transport facilities, their impact on the peoples, and their part in the fight. Now to see the great machinery of war reverse itself and turn our boys back homeward to families and the pursuits of peace makes one happy, indeed. One has to remember, though, those for whom there will be no return.

After having part in the cosmic forces and movements of these brief years, men as individuals must seem terribly insignificant to themselves, but, after all, individuals run the affairs of the world. As they begin soon to go back to Atlanta, North Carolina, Massachusetts, or any other native heath in America, the British Commonwealth, Russia, China, and even to Germany and Japan, they become significant again. They must stand in perplexity and awe before the problems facing this world which they still will have to manage.

Hundreds of thousands have had their eyes opened to the extent of the world. They have learned that people everywhere are just people, that humanity is greater than race and greater, too, than nations. As they go, taking joy in their return, their enlarged understanding, their contacts with the common people of other nations and their experience of much in common with them, will mean much to the future of America. They will stand for freedom of all men. I believe they will keep faith with the visions they have seen. They know that this must be the last war if we are to live. They have a great co-operate knowledge of the problems we face. They are world conscious. In that is ground for hope that as they have won for freedom, they will also will for peace.

Our two boys, one on Okinawa since the First Marines landed, and the other in special service at Pearl Harbor, are both probably in Japan. My wife is in North Carolina, and I am wondering when I shall leave India. Our work here is in its final stages, and the last hospitals for Chinese troops ought to move to China in five weeks or so. I am anxious to get on into China, where I believe we

Gene Turner Writes Interesting Report

Central American Engineers Visit Campus

Three Central American engineers visited Georgia Tech early in November, and were shown through the school by President Van Leer and Mr. Zsuffa, publicity director.

The visitors included Senor Mariano De Montis, Georgia Tech CE, '34, location engineer of the Department of Highways of Nicaragua; Senor Julio Padilla, Dean of the School of Engineering, Central University of Nicaragua; and Senor Alfonso Peralta, Chief of Public Roads and Bridges of the Costa Rican Highway Department.

The visitors have been brought to the United States by the Office of Inter-American Affairs to study our engineering, transportation and manufacturing methods. They visited Georgia Tech to observe the methods of teaching engineering in American colleges.

Gene Turner—(Cont'd)

shall not have civil war but rather a drawing together of diverse elements toward the reconstruction which all accept as their greatest necessity. It will tax every ability they have, but they have been planning, and the years to come will bring surprising developments.

So another chapter closes and that of rehabilitation in China is now under way. For me, after a few weeks in West China, stopping en route at Kunming, there will probably be time in the two cities of Wuchang and Nanchang, in both of which my wife and I have served. In Wuchang, the building, such as it now is, still stands, while in Nanchang the task will be to rebuild from the ruins up.

I do not know how much longer I shall carry on here in China for my friends at home, but you may be sure that these years out here in long association with you have been satisfying beyond measure. Through the Young Men's Christian Association, Chinese in personnel, policy and support, which has been our medium, I am sure that we have given immeasurable benefit to China and its leadership for this time when they stand in such need. America is cashing in on this friendly offering of good will and the long service of friendly Americans. There is a long, long road ahead for China, but she is on her way, and you may feel that you have had a part in her achievements.

My best greetings to each of you. As ever,

Sincerely yours,

Signed: GENE TURNER.
Ca. Tech 20—North Carolina 14

Georgia Tech opened its 1945 football season away from home on September 29, at Chapel Hill, N. C., where the team met a stalwart North Carolina varsity, coached by Carl Snavely; and, despite strong opposition abetted by terrific heat, the team was victorious by a score of 20 to 14, before a crowd of 22,000 spectators. It was the initial game for the Engineers, under head football coach Bobby Dodd.

Carolina won the toss and kicked off, to start the game. The Jackets returned to their 38 and after failing to make first down, tackle Bob Davis punted 59 yards to the North Carolina 4 yard line.

Walker of N. C., kicked to his own 37 where Peek caught it and returned 12 yards to the 25. Holtsinger hit the line for three and then a pass, Holtsinger to Peek, was good for a first down at the 15.

Tech fooled the Tarheels for the game's first touchdown. Peek started running to the left and shot a left-handed forward pass to Busbin as he sped into the end zone. Four minutes and a half had elapsed in the game. Kyker came into the game and kicked extra point.

After the ensuing kickoff, Carolina lost ten yards to its 27, in two ties, and kicked to Peek at the Tech 43. The Engineers took the ball to the Tarheel 47, then kicked into the end zone.

Flamish, of N. C., made three yards and Tech was penalized for offside on the next play. There was a bad snap from center. Flamish ran back and fumbled as he was tackled. Kilzer, in hot pursuit, fell on the ball back of the goal line for Tech's second touchdown. Kyker's extra point attempt was blocked, however, the Jackets were in the lead by 13 points.

The Tarheels scored quickly in the second quarter. Bob Oliphant seemed to be covered as he ran into the end zone. But he made a remarkable catch of Tom Calfer's pass surrounded by Jackets.

A Tech fumble started Carolina on a march, but it broke down at the nine. Before Tech could move away from there, Johnny McIntosh, taking the ball from Ed Holtsinger, fumbled and North Carolina recovered at the Tech five. B. K. Grow carried almost to the goal line and Colfer scored. Bob Cox, right end, kicked his second straight extra point and North Carolina was back in the lead by 13 points.

The Tarheels took over again. Before an intercepted pass stopped a touchdown threat, George Mathews had made two long runs after receiving passes. An interception by Bill Voris at the 15 halted Tech momentarily.

Carolina couldn't gain and Colfer almost failed to get off a kick. Tech started from the Carolina 32, where the punt went out of bounds.

Playing more safely, the Engineers then went all the way with ground plays. The drive was climaxed by two powerful rushes by Mathews, who scored from the 2. Dan Kyker, who had kicked the first extra point and missed the second, made the third one good.

Carolina was held to few or no gains from that point on, to the close of the game.

Ca. Tech 43—Howard 0

Howard College from Birmingham, Ala., played the second team of Georgia Tech on even terms, throughout the first quarter of their game at Grant Field on October 13; so the first string Jacket squad composed of Captain Paul Duke, George Mathews, Bob Davis, Jack Peek and Company, had to take over at the start of the second quarter.

Mathews went around his right end on the first play of the quarter and broke into the clear for 50 yards and a touchdown. Kyker kicked the extra point. Then followed other long runs by Peek and Mathews for scores; and the varsity then called it a day.

The reserves now began to function; first by stopping Howard's rather good passing attack, led by Carroll Blackerby, then by putting on drives of their own. Guard McKinney intercepted a pass and ran to the five from which point Jimmy Olson bucked over on his first try—Kyker again kicked the point.

Brodnax then scored twice, on a 40 yard run pass interception and then on a pass from Holtsinger into the end zone.

Other substitutes were then sent in with the score standing 40 to 0 in favor of Tech; however, the Jacket's play resolved itself into a routine of two weak line plays and a kick, with no scoring effort, except for a pretty placement field goal, kicked at an angle from the 23 yard line by Grey Cobb, toward the end of the game. The additional three points ended the scoring for the day; making a total of 43 for Georgia Tech to 0 for Howard.
Notre Dame 40—Ga. Tech 7

A good one deep Georgia Tech team could neither outlast nor successfully cope with a Notre Dame varsity, three or more deep—and all good, when the Irish and the Jackets met on Grant Field in Atlanta on October sixth; although, while the Engineers were fresh they got away for a driving start to score and kick goal in the first six minutes of play, to hold a brief 7-0 lead.

Notre Dame was off-side on its opening kickoff; and on the following one, Jack Peek returned 23 yards to the Georgia Tech 48. George Mathews then went through the Notre Dame line for 12 yards for a first down on the visitor's 40. Johnny McIntosh passed 17 yards to Holtsinger; Mathews turned the end for 16; then, on a faked play, Holtsinger ran 7 yards around the weak side to score, standing up. Kyker kicked from placement, and Georgia Tech had a seven-point temporary lead and its only score.

Notre Dame then took charge of the game with the kickoff that followed the Jacket's tally. Dancewicz passed 39 yards to Phil Colella near the goal to start the scoring and Stan Krivik came in to tie the score with the first of four drop kicks.

In the second period, Notre Dame drove 54 yards, mostly on short trusts by Colella and Frank Ruggerio, capped by a 19-yard scoring jaunt by Angsman. Just before the half, Joe Gasparella unleashed a 48-yard scoring pass to Bill Zehler who dragged two tacklers over with him.

A tired Tech team faced still another outstanding Irish varsity, to begin the second half; however, the Jackets continued to be a threat but Brennan of Notre Dame intercepted a pass on his 7 and got away for 61 yards to Tech's 3 yard line from where Angsman plunged over. Krivik again put a perfect drop kick between the goal posts.

Shortly after the ball was put into play, Ga. Tech was penalized to its one-yard line. Bob Davis' punt only went to his own 28; and Angnone scored from around end, against Georgia Tech substitutes, on the first play.

In the final four minutes of the game, Angnone, Yonto and Slovak—real players, too, but not so Irish—put on a 65 yard drive with Slovak carrying the ball over from the five-yard marker. Krivik missed his drop kick for the extra-point and the game ended, shortly thereafter, with the score standing 40 to 7 for Notre Dame.

Navy 20—Ga. Tech 6

Georgia Tech's battling, one-deep, team refused to be intimidated by the dire predictions of a group of badly informed writers—now generally referred to as the "cry baby" boys—and, as a result, a big, tall, Navy team, manned by a number of all America and other football stars, was indeed fortunate to win over the Southern Engineers on the night of October 20, in the Municipal Stadium at Baltimore, Maryland.

Georgia Tech had pass receivers in the clear, behind the Navy safety-man several times; however, over-anxious tossing caused the elusive, intended receivers to miss the ball by inches only, each time. Navy played a good, rugged, game of ball and took advantage of the breaks which seemed to favor the Middles who had to be plenty alert to win, as the following significant figures definitely show:

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<th>NAVY - GA. TECH STATISTICS</th>
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<td>12 First Downs</td>
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<td>54 Yds. Returned</td>
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The small but fast, husky and daring Jacket backs, Peek, Mathews and McIntosh all but "took the show," along with linemen Capt. Paul Duke, Buck Doyal and George Hills; in fact the eleven Georgia Tech iron men and their one or two—and only too few—substitutes, won the acclaim and cheers of the 54,000 spectators, including Navy's many and good sportsmen.

Jack Peek's 70 yard run through the huge Navy line for a touchdown, on the first Georgia Tech play in the second half, was perhaps the highlight of the game.

The first period was a see-saw battle with the Jackets holding the edge; it ended 0-0 with the Midshipmen in possession of the ball on their own 30 yard line.

"Smackover" Scott and Sundheim ripped on to the Tech 45, but George Hills recovered Scott's fum-

(Continued on next page)
Navy-Tech—(Cont'd)

ble to snuff out the drive, following the second period kick-off. Mathews whipped one to Kilzer that was a little long. The huge crowd was now profuse in its support of the game and colorful, fighting Engineers.

A pass, Holtsinger to Busbin with a lateral to Davis, and a nice run by Mathews brought Tech a first down on the Navy 44.

Peek and Mathews made a first on the 34 and Peek went to the 21 for another. Mathews went to the right but lost five.

Mathews to Holtsinger made one on third down and Navy took time out. The Jackets had seven to go on fourth down.

A faked reverse by Holtsinger failed and the splendid drive had failed to score.

Navy's Kelly kicked out to the Tech 25, where Jack Peek took it and ran beautifully to the right. He was almost away but a foot over the boundary line stopped him on the 44. An attempted pass that failed put the Jackets on their own 45. A pass picked 19, Davis, of Tech, tried to kick, but Newbold of Navy blocked it and Duden caught it in mid-air and raced to a touchdown. A big break for the Navy, despite the fine block.

Jack Currence converted and Navy was ahead 7-0.

Undaunted, Tech started back up hill after the kick. A line try failed and Tech took a fatal aerial chance.

Throwing from his own 20, Ed Holtsinger threw deep to Busbin, but Clyde "Smackover" Scott intercepted and went 42 yards for the Navy's second touchdown without a Jacket hand falling on him. The conversion attempt was good; so an alert Navy team was ahead without any help, whatever, from its own running or passing plays.

The Jackets came storming back and a pass to Mathews in the clear failed, toward the end of the half.

Navy received the kick-off and was held at its 34; then Kelly, formerly of Notre Dame, kicked to Georgia Tech's 30.

Jack Peek thrilled the crowd, at this juncture, with a fake and run play, over his left tackle, through Navy's big line and secondary for 70 sparkling yards to a touchdown. Brilliant running and side stepping aided by expert blocking showed that this was no accidental score. Kyker's placement failed but Georgia Tech showed its wares to the Navy and likewise, the heels of a fast 158 pound back.

Navy was upset, it seemed, and after several attempts, a poor kick was taken by Tech near the center of the field.

Tech missed several good scoring chances on passes over the goal and remained deep in Navy for the greater part of the quarter. The Jackets ran and passed to the Navy 16 then a penalty incurred by Navy, put them on the one-yard line where quarterback Holtsinger failed twice to sneak across; then on a split buck he fumbled and Navy recovered.

On the kick out, the Jackets started again and Navy appeared to be tired. Mathews barely missed Kilzer at the goal; and the Midshipmen finally held on their own 16 for a 16. (Continued on next page)
Navy-Tech—(Cont'd)

After an exchange of punts, Georgia Tech had the ball on its own 20. The Jackets were now tiring, also, and Mathews lost the ball on the Tech 17. Navy recovered and one of several passes finally was caught by end Duden of Navy at the Engineer’s 3; a line buck scored but the conversion failed.

Tech came back fighting and gaining but the time ran out and Navy held the winning 20-6 score, over a grand Georgia Tech team which should well be proud of its great showing.

Duke-Tech—(Cont’d)

The Jackets came back strong and began to put together some passing and running gains. Johnny McIntosh piled up 40 yards on 11 tries; but he wasn’t called on when Tech was within a few yards of scoring, like the previous Saturday, against the Navy; however Peek passed to end Bill Busbin in the end zone for a perfect score but the third period gun ended the quarter, unfortunately, while the play was in the making.

Despite the fact that the gun neutralized Ga. Tech’s third quarter touchdown; and following a short punt by Duke to the Jackets’ 26, McIntosh ran hard to the 13 from where Mathews darted and sped through the Blue Devils for the Georgia Tech score; the extra point kick went wide.

The last half was Georgia Tech’s but it wasn’t enough, and the game ended 14 to 6 for Duke.

New Navy Grads on Active Duty

All NROTC and V-12 students scheduled to leave school in November will remain on active duty, according to a bulletin received from Washington, D.C.

NROTC students will be commissioned before leaving school and will remain on active duty unless they have sufficient points for release at the time. All V-12 students will either be commissioned following completion of their training here or after a period of further duty.

This order does not apply to sixth and seventh term V-12 students; no definite word as to their disposition has been received.

Georgia Tech Begins FM Broadcasts

Installation and alignment of Georgia Tech’s new 1000 watt FM station in the EE building has been completed and musical programs are being broadcast, Professor M. A. Honnell has announced. He described the station and the planned research program at a meeting of the Atlanta Section of the Institute of Radio Engineers.

The programs are broadcast on a frequency of 49.5 megacycles and may be received on any pre-war FM set. Programs will be broadcast only at irregular intervals until the final station license is granted by the FCC.
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Regardless of the type of pain preventive which may be selected to meet your requirements, you may be increasingly confident of its purity and effectiveness.

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