She's sure glad to have you back, and out of uniform—mighty proud of your war record—and certain that you're going places in civilian life.

Makes a man feel good to have some one so nice so interested in him, doesn't it? Makes him wonder, too, about how to arrange things safely and securely for her future. And that brings up your National Service Life Insurance. Decided what to do about it? ... Need some good, sound advice?

If so, you'll find the New England Mutual Career Underwriter a friendly, well-qualified counsel. He knows all about the provisions of your Government insurance, some of which may not be clear to you, and he'll show you how it can form an important backlog in your protection and savings program for the future.

He doesn't make a dime on it, understand—but he knows what life insurance can mean to a family like yours.

Why don't you see him? It won't obligate you in the least and may help you in a dozen different ways.

MEANTIME—if you'd like the dope on the G. I. Bill of Rights as recently amended, with details on educational benefits, loans, pensions, etc., plus a lot of information on the job situation, send for this free, 40-page booklet. It makes those complicated subjects simple and easy to understand. Your copy's waiting at 501 Boylston Street, Boston 17, Mass.

New England Mutual
Life Insurance Company of Boston
George Willard Smith, President
Agencies in Principal Cities Coast to Coast
The First Mutual Life Insurance Company Chartered in America—1835

FREE!
And post-paid to wherever you are

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

G. Nolan Bearden, '29 Los Angeles Harvey Granger, '22 Savannah

WE HAVE OPPORTUNITIES FOR MORE GEORGIA SCHOOL OF TECHNOLOGY MEN ... WHY NOT WRITE DEPARTMENT N-9 IN BOSTON?
There's plenty here you can't see

Your train ride of the future may be a more delightful experience because of something you can't see in this picture.

The thing you can't see is the customary gap between the ends of the rails. You can't see it because it isn't there. For the rails, instead of being bolted together, are welded together into lengths of solid metal sometimes a mile long.

This is done by pressure-welding...by forcing the rails together at their ends in the heat of oxy-acetylene flames until they become a single, continuous piece, uniform in appearance, structure, and strength.

Pressure-welded track is being used increasingly by railroads because it cuts maintenance costs and provides a smoother, quieter ride for passengers.

Pressure-welding also is used by many other industries. Some use pressure-welding for the construction of overland pipe lines...some for the fabrication of machinery parts...some for making oil-well tools...and some are using pressure-welding to make airplane and automobile parts.

Pressure-welding is a research development of The Linde Air Products Company and The Oxweld Railroad Service Company, Units of UCC.

If you are a bit technically minded or just want to know more about this subject, write for booklet P-5 on Oxy-Acetylene Pressure-Welding.

Union Carbide and Carbon Corporation
30 East 42nd Street, New York 17, N. Y.
Commencement Program

June 21, 1946 — 5:00 P. M.

Georgia Tech Auditorium - Gymnasium Building

Processional . . . . . "Pomp and Circumstance," Elgar
Georgia Tech Orchestra

Invocation—Very Reverend Joseph G. Cassidy, V.F.
Co-Cathedral of Christ the King

Commencement Address . . . . Dr. William Loren Batt
President, S. K. F. Industries

"The Border Ballad," Cowen
(Sir Walter Scott) . . . . Georgia Tech Glee Singers

Awarding of Commissions to Naval R.O.T.C.
Students .......... Captain Robert Strife, USNR

Navy Citation . . . . . Captain Robert Strife, USNR

Conferring of Degrees—
President Blake Ragsdale Van Leer

Alma Mater . . . . Glee Singers and Graduating Class

Benediction . Very Reverend Joseph G. Cassidy, V.F.

The members of the families of the graduates, all alumni and the public, in general, are cordially invited to attend the Graduation Exercises; also the Commencement dances, alumni fraternity and Y.M.C.A., open house gatherings.

Home Coming and Fall Reunions

Plans will be made, during the summer, for the fall reunions and home coming over the week-end of the Navy-Georgia Tech football game in Atlanta on November 9.

The usual Commencement Exercises and dances will be held during the period of Commencement Day on June 21; and all alumni, their families and friends are cordially invited to attend the exercises, dances, fraternity and individual group gatherings on the campus, at that time.

No action was taken by any of the alumni groups as to a formal gathering during June; in view undoubtedly, of Georgia Tech's present overtaxed and overcrowded situation and its consequent lack of sufficient dining hall and other facilities.

As announced in the March-April Alumnus, George Griffin at Georgia Tech is chairman of the committee on alumni reunions, meetings, and home coming; and Messrs. Oscar Davis and Joe Westbrook were appointed to serve with him. During the next few months and, following the announcement of the respective class secretaries in the September issue of this publication, all plans for a big gathering can be completed and published, well in advance of the home-coming date.
Westinghouse Electric Corporation Grants Fellowships to Foundation

In recognition of the importance and contributions of the Graduate Division of the Georgia School of Technology to Southern industry and engineering education through its post-graduate training of qualified engineering and research personnel, the Westinghouse Electric Corporation through its Southeastern District Manager, Thomas Fuller, has made a grant of $15,000.00 to the Georgia Tech Alumni Foundation for the establishment and administration of two fellowships at Georgia Tech, it was announced in April by Frank H. Neely, President of the Foundation. To be known as the “Westinghouse Fellowships in Electrical Engineering,” the award of $1,250.00 per year for each fellowship will be open to candidates holding a bachelor’s degree in electrical engineering from accredited colleges and universities throughout the country and indicating a desire to complete the requirements at Georgia Tech for a master of science degree in electrical engineering.

In accepting the fellowships through the Georgia Tech Alumni Foundation, Colonel Blake R. Van Leer, President of the School, stated: “On behalf of the Georgia School of Technology, the Division of Graduate Studies, the Department of Electrical Engineering, and the many alumni of the school who have, through many years past, served the Westinghouse Electric Corporation, I wish to express to you and the Westinghouse Educational Foundation our deep appreciation of this generous and useful gift.”

Mr. Fuller gave three reasons for the establishment of the fellowships at Georgia Tech. These are:

1. To recognize the important role of the School and its Graduate Division in relation to Southern industry through research and post-graduate training of qualified engineers.

2. To make a worth-while contribution to the development of the fundamental sciences on which modern industry is based, because the company feels that all research leading to a better understanding of matter and energy will ultimately prove valuable to technology even though the immediate field of application is not apparent.

3. To enable a group of able graduate engineers to become familiar with the scientific problems confronting the electrical industry, because it is believed that this contact will be of great value whether the men turn to industrial or academic work after completion of their fellowship periods.

From a list of candidates secured as a result of announcements sent to accredited institutions throughout the country, Professor D. P. Savant, head of the Department of Electrical Engineering, and his fellow faculty members will select the person or persons most desirable. It is expected that part of the research work to be carried on by these graduate students would be performed on the new A.C. network analyzer and calculator, now in process of fabrication, which was purchased with the $100,000.00 contributed last fall by the Georgia Power Company to the Georgia Tech Alumni Foundation.

The sum of $15,000.00 will permit the establishment of one fellowship to run on a year-to-year basis for four years, and the second fellowship to run on a year-to-year basis for eight years. The plan of study will be so made that the recipients of the fellowships will be able to secure a master of science degree in electrical engineering from the Georgia School of Technology.

Publication of “Engineer” Resumed

Under the able direction of Ken Greene, Editor, and Avrea Ingram, Business Manager, the Georgia Tech Engineer resumed publication in April, following its temporary discontinuance during the war. The publication retains its excellence as to make-up, engineering articles, photographic content, and everything else that goes with a highly interesting scientific, student-published magazine.

Ken Greene, Avrea Ingram, and all the other contributors are to be warmly congratulated for their outstanding work on the publication.

All alumni and other friends who may be interested in obtaining a subscription for the five issues of the publication, during the school year, may do so by writing to Avrea Ingram, Business Manager, “Georgia Tech Engineer,” Georgia Tech, Atlanta, Ga.
National Alumni Officers Nominated

Nominations for officers of the Georgia Tech National Alumni Association for the 1946-'47 term, beginning September 1, were closed on April 30 following the nomination announcement in the March, 1946, issue of the ALUMNUS; and, in accordance therewith, the alumni have again maintained their commendable precedent of returning the officers for a second, although concluding, term of office.

It is a pleasure and a privilege, therefore, to announce the unanimous nominations of your present, industrious and loyal officers, as follows:

For President: Frank A. Hooper, Jr., 1916.
For Vice-President: Lawrence Willet, 1918.
For Vice-President (At Large): John L. Davidson, 1915.

(Mr. Yates was appointed temporary treasurer on March 1, 1946, to succeed Mr. Baxter Maddox, who resigned, as published in the March ALUMNUS.)

A brief summary of the activities of each of the nominees is again, as follows:

For President: Frank A. Hooper, Jr., 1916, B.S., L.L.M., Atlanta, Ga., current president of the National Alumni Association, as elected last year by the alumni. A Georgia State Legislator from 1925 to 1928; former Judge Georgia Court of Appeals; Judge Fulton County Superior Court, outstanding in state and local activities, experienced alumni board member, familiar with Alumni Foundation matters and general alumni work.

For Vice-President: Lawrence Willet, B.S. in C.E., 1918, Rhodes-Haverty Bldg., Atlanta, Ga., present vice-president, Atlanta District. An Alumni Board member, outstanding in state, civic and Georgia Tech affairs and development, experienced and most helpful to Georgia Tech and to the Alumni Association.


Modern Spectograph Acquired

The Chemistry Department of Georgia Tech has recently acquired a large grating, model spectograph to add to Georgia Tech's advanced scientific equipment; to be used for instruction and research.

This spectograph, which with its supplementary equipment, cost $12,000, is now operating in the Chemistry Annex under the supervision of Dr. W. M. Spicer, Associate Professor of Chemistry.

The instrument consists of five important parts. First, there is the source of light from the substance to be analyzed. This passes through the collimator, a lens which renders the light rays parallel. These parallel rays are then dispersed by a grating and focused by a telescope onto a photographic plate containing a film.

To analyze the film containing the spectrum of the substance in question, a "viewing box" is employed. This apparatus magnifies not only the particular film, but also certain standard films used beside it for comparison. Qualitative analysis makes use of the relative positions of the spectral lines, while quantitative analysis employs their relative magnitudes.

The outstanding uses of the spectograph are numerous. One-quarter of the elements were discovered by it. Impurities in certain alloys can be detected to the extent of less than one part in ten million. Values of certain commodities are determined by a spectrographic verdict of their contents.

Furthermore, it is very important to note that in a spectrographic analysis only a very small sample is necessary, and essentially none of the sample is consumed. The length of time necessary to complete the analysis is approximately 15 minutes. The entire apparatus is very inexpensive to operate.

The spectograph has already been employed at Georgia Tech for research purposes. Dr. Spicer has analyzed minerals for the State Department of Geology, to aid in a search for radio-active deposits in Georgia. Students will be instructed in the use of this powerful tool of modern science, in advanced chemistry courses.

All active members of the Alumni Association, who so desire, should send in their votes in further confirmation of the nominees, by June 30, 1946. It is also requested that you name your own class secretary; using the ballot below or one similar to it.

BALLOT FOR NATIONAL ALUMNI OFFICERS, 1946-47
(See Foregoing Article)

I hereby vote for National Georgia Tech Alumni Association officers for the year 1946-'47, as follows:

President
Vice-President
Vice-President (At Large)
Treasurer
Class Secretary (for my Class)

Signed

Not Good Unless Signed Please return by June 30, 1946

Mail ballot to the Secretary, Nat'l Alumni Assn., Georgia School of Technology, Atlanta, Ga.
Georgia Tech to Start Work on Vast Housing Project

Bids were requested on April 30, by the Board of Regents, for the construction of the $3,200,000 student dormitories and veterans’ apartment projects for the Georgia School of Technology; and it is planned to start the work on the buildings promptly after the May 21 letting of contracts.

These projects, to be located on the Georgia Tech campus, will consist of 17 three-story apartment buildings on 10th Street, an eight-story apartment building on North Avenue, a four-story dormitory on North Avenue, and two three-story dormitories on Williams and Third Streets. Money for the construction is being obtained through the issue of self-liquidating bonds.

The 10th Street and North Avenue apartment units were designed by Burge & Stevens and Associates, of Atlanta. The dormitories on North Avenue and Williams Street were designed by Prof. Bush-Brown, Gailey and Heffernan, of the Georgia Tech Department of Architecture. All buildings will be constructed of reinforced concrete with brick veneer and tile exterior walls.

According to present plans, rents ranging from $40 to $80 will be charged for completely furnished one-room efficiency and two and three-bedroom apartments. These will be made available to approximately 222 married veterans studying or teaching at Georgia Tech.

The dormitories are expected to house more than 900 single veterans. It is expected that these housing facilities will be available with the opening of the school year in September, 1947. In the meantime, arrangements are being made to house veterans next term at Marietta and at Lawson General Hospital, if and when the latter becomes surplus to the U. S. Army.
Alumni Clubs Hold Large Meetings

With organization meetings planned at an early date, or already held, during our publication period, at Macon, Ga., Tampa, Fla., and vicinity; Pensacola, Fla., New Orleans, La., and other prominent cities; together with regularly scheduled club gatherings—Georgia Tech and the Alumni Association are extremely grateful for such real interest as the alumni are showing in their club and individual activities.

The Alumni welcomes and will be pleased, indeed, to publish full accounts on all meetings, upon receipt of reports, letters, or news clippings. Some of the articles are carried in abbreviated form, necessarily, while awaiting fuller reports; these, however, will be carried upon receipt in the nearest, current number of the alumni publication.

It's great again now to report that a number of other large and interesting meetings have recently been held in the following cities:

Birmingham, Ala.

E lecting W. G. Moses president, the Birmingham alumni of Georgia Tech reorganized their association at a buffet supper at the Redmont Hotel, on the night of April 10. The group also elected J. G. (Stumpy) Thomason vice president, and R. W. Lackmond secretary-treasurer. Some 50 men were present at the meeting.

E lected to the board of directors for the Birmingham chapter, Georgia Tech Alumni Association, were Lynn Strickland, Allan Bartlett and Burton Cloud. All officers were elected unanimously.

Highlighting the meeting was a review of the student and athletic situation at The Flats by George Griffin, director of alumni placements and alumni clubs for Georgia Tech. Griffin told members of the new building program now under way at the Atlanta school and told of prospects for the coming sports year.

"While we will not have a championship club this year, we will be able to hold our own in most any game," Griffin said. He also stated that Athletic Director W. A. Alexander will try to get Southern colleges to institute baseball during the summer quarter, playing a regular schedule as they do in the spring.

R. J. Thiesen, national secretary for Georgia Tech Alumni, related the purpose behind the Georgia Tech Alumni Foundation and reviewed activities of various Tech alumni throughout the war years.

The meeting was closed out with a showing of the 1945 Tech-Tulane football game.

Dalton, Ga.

On the night of March 15, the Georgia Tech Alumni in the Dalton, Ga., area held a large and elaborate dinner meeting at the Dalton Country Club. There were 26 in attendance, including Messrs. George Griffin and Jack Thiesen from Georgia Tech who gave talks on the progress at the college and showed moving pictures of several football games of last fall.

Short talks were also made by Mr. Henry L. Smith, Georgia Tech's first graduate, M. E., 1890, who was elected president of the club; together with Carlton McCamy, who was named vice-president, and Wells Moore, secretary.

The club is off to a good start and plans to hold regular meetings. A fine list, containing the names of 49 alumni in the area, was given to Messrs. Griffin and Thiesen for the Georgia Tech alumni files.

Jacksonville, Fla.

The Georgia Tech Alumni Club of Jacksonville, Fla., held its annual dinner meeting on the night of April 15. This brilliant gathering was attended by forty or more local alumni, two alumni visitors; and President Van Leer with Athletic Director, W. A. Alexander; Capt. George Griffin, U. S. N. R., of the National Alumni Association and Coach Roy McArthur, of Georgia Tech as guests for the occasion.

The guests from Georgia Tech all gave interesting talks, with President Van Leer who spoke on the comprehensive, expansion program of the college.

On Saturday, following the meeting, Geo. W. Gibbs, Sr., M.E., '08, entertained the Ga. Tech visitors with a most delightful cruise on his yacht in and about the surrounding waters of Jacksonville.

An excellent address list of the local alumni was given to Captain George Griffin.

The newly elected officers of the club are: Vance Maree, president; Ivy E. Smith, vice-president; James C. Merrill, Jr., secretary; and A. C. Skinner, Jr., treasurer.

In addition to the officers, former president, John H. "Johnny" Marshall is due a world of credit for his outstanding work that contributed so much to the success of the gathering.

Miami, Fla.

Another excellent gathering was the elaborate cocktail party and dinner meeting of the Georgia Tech Alumni in Miami, Fla., on April 16. Captain George C. Griffin U. S. N. R., was the National Alumni Association representative and honor guest at the party. He gave a most interesting talk on the expansion program for Georgia Tech, athletics and other timely topics, in addition to showing football moving pictures.

Unfortunately, George Griffin could not make any promises as to when the Yellow Jacket football team would next appear in the Orange Bowl; but he assured the Miami Alumni that they would be well taken care of with ticket reservations for such a game when Georgia Tech is fortunate enough to make the grade again.

Captain Griffin was profuse in his praise of the gathering and the large number in attendance; a total of fifty, in addition to himself. The club has furnished the National Alumni Office with a large and complete list of the Miami Alumni with their respective addresses.

Officers elected for the coming year, are: J. H. Brock, president; A. C. Bivins, vice president; and, R. Fulton Webb, secretary.


The Georgia Tech Club of Metropolitan Philadelphia held its regular scheduled meeting on April 23, at the University Club. Football pictures were sent by the Athletic Association for the gathering which, again, was an interesting occasion and well attended.

President Carl Kimbell of the Philadelphia Club announces that another big dinner will be held on (Continued next page)
Alumni Club Meetings

Group of local officers and visiting alumni officials at the meeting of the Birmingham, Ala., Georgia Tech Club on the night of April 10. The officers were elected at a buffet supper, held at the Redmont Hotel, and include (first row, left to right) J. G. (Stumpy) Thomason, Vice-President; W. G. (Bill) Moses, President; and R. W. (Dick) Lackmond, Secretary-Treasurer. Back row (left to right), George Griffin, Director of Alumni Placements and Clubs; R. J. Thiesen, National Georgia Tech Alumni Secretary, and Lynn Strickland, Burton Cloud and Allan Bartlett, elected as Board of Directors.

the night of June 11. Head Coach, Bob Dodd, plans to attend the meeting and give a talk on the athletic prospects at Georgia Tech. Moving pictures will also be shown of some of the football games of the 1945 season.

Alumni from Philadelphia, New York, Washington, Baltimore and other nearby cities are cordially invited to be present at the meeting on June 11. Reservations may be made, at this time, with the secretary, E. W. Harwell, 1120 Broad St., Station Bldg., or Carl Kimball, 2311 Green St., both of Philadelphia, Pa.

Rome, Ga.

At the highly enjoyable and sumptuous, reorganization dinner of the Rome, Ga., area, Georgia Tech Club, held on the night of March 26, J. Ridley Reynolds, Jr., was elected president of the club; and plans were made for extending the organization into the neighboring towns.

Other officers chosen were Russell P. Pool, Vice President; E. H. Gibson, Secretary, and Victor B. Yeargan, Treasurer.

About 40 Tech Alumni attended the local session, including representatives from Cedartown and Summerville. President Reynolds, who had served as temporary chairman to arrange for re-activating the local club, announced that plans are being made to appoint chairmen in each of the nearby communities.

Guest speakers at the meeting were George Griffin, Personnel Director at Tech, and Jack Thiesen, Secretary of the Alumni Association. They discussed the various developments at Tech and outlined the athletic program of the school for 1946. Both emphasized the importance of an active alumni club in the Rome area and pointed out that organization of clubs is proceeding in other parts of Georgia and in neighboring states.

A feature of the program was the showing of a one-reel movie on highlights of Tech games during the past season and a Technicolor film of the Tech-Navy game of 1944.
Comptroller Houston to Retire

After thirty years of loyal and devoted service in the interests of the Georgia School of Technology, including the difficult periods of World War I, the 1930’s, and World War II, Frank King Houston, Comptroller of the College, who has already served three years beyond the statutory retirement age, has received approval from the Board of Regents of the University System of Georgia to retire from his present position, effective July 1, 1946, it was announced on April tenth by President Blake R. Van Leer. As the financial manager of one of the outstanding engineering institutions in the United States, Mr. Houston, in his long years of service has helped to promote the financial integrity of Georgia Tech.

Because of the complexities of the many duties of the Comptroller and the need of his wise financial counsel, Mr. Houston will remain at Georgia Tech for another year as advisor to his successor and as school treasurer until his complete retirement on July 1, 1947.

Born in Urbana, Ohio, Mr. Houston received his education at Ohio State University. He came to Atlanta in 1907 and was practicing as a Certified Public Accountant in 1916, when Dr. K. G. Matheson, President of Georgia Tech, invited him to become Bursar of the College. With the advent of World War I, the college embarked on a comprehensive program of training under a contract with the War Department and Mr. Houston was given the entire responsibility of handling all the financial details.

Under his able management, almost $3,000,000.00, obtained through gifts and appropriations, have been expended on much needed buildings for the rapidly growing Georgia Tech. More than $600,000.00 was collected from alumni and friends during the depression years of 1920-1924 and utilized for the construction of such badly needed buildings as the Chemistry Building, Ceramics Building, Harris Dormitory, Brown Dormitory and the Physics Building.

The new Comptroller of Georgia Tech will be Captain Robert Strite, USNR, naval officer and banker, who at present is professor of naval science and tactics and commandant of the U. S. Navy Unit at the school. He is expected to assume his civilian position at Georgia Tech on July 1, 1946, or as soon thereafter as he can obtain his release from the U. S. Navy.

Phila-delphia Club Invites Alumni

President Carl Kimbell of the Georgia Tech Club of Metropolitan Philadelphia, Pa., invites all Georgia Tech Alumni from New York, Washington, Baltimore, and other nearby cities; also all alumni in the city at the time, to attend a big meeting of the club as planned for the night of June 11. Head Coach, Bob Dodd, of Ga. Tech plans to be present for the occasion.

Reservations may be made through Carl Kimbell, 2311 Green Street, or with E. W. (Ernie) Harwell, 1120 Broad Street Station Bldg., Philadelphia.

Deaths

Ashley

Dominic C. Ashley of Glens Falls, N. Y., died on February 4. He was a member of the engineering firm of Meyer, Bowers & Ashley, Inc., and was for several years vice-president and general manager of the Kanes Falls Electric Company.

Mr. Ashley graduated from Georgia Tech in 1913, with a B.S. degree in Civil Engineering.

Burge

Flippen D. Burge, widely known Atlanta architect, member of the firm of Burge & Stevens, died unexpectedly at the Piedmont Driving Club on Monday, April 22.

Mr. Burge went to the Driving Club about 5 P. M., and was playing tennis when he began to feel ill. He lay down for a rest and died before medical aid could be summoned. Doctors attribute his death to coronary thrombosis.

Mr. Burge received his B.S. degree in Architecture from Georgia Tech in 1916.

Owens

Professor John H. Owens, professor of industrial education at Georgia Tech, died Thursday, April 4, in Toccoa, Georgia, where he was directing conference work for industry.

A native of South Carolina, Mr. Owens had been for several years associated, through Georgia Tech, with CCC work. More recently he was in charge of “in service training” for the state, dealing with the training of employees, foremen and conference leaders for industry.

Taylor

Mr. Frank Pope Taylor, Personnel Manager of the Retail Credit Company, New York Office, passed away suddenly on February 14.

Mr. Taylor graduated from Georgia Tech in 1910, with a B.S. degree in Industrial Management.

Births

Adair

Mr. and Mrs. Frank Robin Adair announce the birth of a son, Robin DeWitt, at Mountainside Hospital, Montclair, N. J., on March 20, 1946.

Mr. Adair graduated from Georgia Tech in 1943 with a B.S. degree in Industrial Management, and is now with Westinghouse, Lamp Division, Philadelphia, Pa.

Michal

Mr. and Mrs. Frank W. Michal of 39 Oxford Street, Newark, N. J., announce the birth of a daughter, Judith Ann, on April 3, 1946.

Mr. Michal graduated from Georgia Tech in 1942 with a B.S. degree in Mechanical Engineering.

Pate

Mr. and Mrs. Jason T. Pate announce the birth of a daughter, Virginia Kennon, at Johns Hopkins Hospital in Baltimore on April 14, 1946.

Mr. Pate graduated from Georgia Tech in 1939 with a B.S. degree in Industrial Management. He was discharged as a Lt. Colonel from the Army on February 7, 1946, at Fort Meade, Maryland.
Weddings and Engagements

**Arnall-Hollis**
Mr. and Mrs. Frank M. Arnall, of Newnan, Ga., announce the engagement of their daughter, Miss Katie Glenn Arnall, to Joseph Gray Hollis, Jr., lieutenant, junior grade, U. S. N. R., of Newman and Green Cove Springs, Fla. The marriage will be an event of June 20 in Newnan.

Lieu. Hollis attended Georgia Tech with the class of 1944.

**Grady-Jackson**
Mrs. Alice Wilson Grady, to Commander James Leland Jackson, of Atlanta.

Commander Jackson received his B.S. degree in General Science from Georgia Tech in 1935.

**Herndon-Mickel**
Announcement is made by Mr. and Mrs. Fred Herndon, of Elberton, Ga., of the marriage of their daughter, Miss Minor Herndon, to Buck Mickel, of Elberton and Atlanta, on May 2 at the First Baptist Church of Elberton.

Mr. Mickel attended Georgia Tech before entering the U. S. Naval Reserve. He has been relieved from active duty, and has returned to Georgia Tech to complete his education.

**Hunting-Pidcock**
Prominent among engagements announced during April, is that of Mrs. Jane Rainaud Hunting, of Meridian, Conn., to Commander John Faulks Pidcock, U. S. N. R., of Moultrie, Ga. and Washington, D. C., formerly of Atlanta, which was made by the bride's mother, Mrs. Henry E. Rainaud. The marriage will be solemnized at an early date in Washington.

Commander Pidcock graduated from Georgia Tech in 1933, with a B.S. degree in Commerce.

**Loyd-Christian**
Mr. and Mrs. W. J. Loyd announce the engagement of their daughter, Miss Helen Loyd, to Edward L. Christian, of Tate and Atlanta. The marriage will be solemnized June 15 at the Baptist Tabernacle in Atlanta.

Mr. Christian attended Georgia Tech with the class of 1944, until his enlistment in the Signal Corps in 1942.

**Norris-Florence**
Mrs. Harold Sullivan Norris, of Savannah, announces the marriage of her daughter, Miss Pauline Celeste Norris, to Harold Neal Florence, of Cedartown, Ga., on April 15 at the Independent Presbyterian Church, Savannah.

Mr. Florence graduated from Georgia Tech in 1942, with a B.S. degree in Industrial Management.

**Scholer-Reisman**
Announcement is made of the marriage of Miss Betty Norma Scholer, daughter of Mr. and Mrs. Jacob Scholer, of New York, to Carl Reisman, of Atlanta, on Tuesday, April 23, in the Tapestry Room of the Park Lane Hotel, New York.

Mr. Reisman received his B.S. in I. M., from Georgia Tech in 1941.

**Gold Star Alumni**

**Lieut. (j.g.) William Henry Burnside, Jr.**, B.S. in E.E., 1943, missing in action since April 16, 1945, has been declared officially dead, the Navy Department has advised his parents, Mr. and Mrs. W. H. Burnside, Sr., of 587 Ridgecrest Rd., N. E., Atlanta.

According to the Navy Department, Lieutenent Burnside, communications officer of the submarine, Kete, left Guam on a war patrol. The vessel failed to return, and no further information has been received.

Lieu. Burnside had won a citation for meritorious service and the Submarine Combat Medal.

**Lieut. Harvey Wilburn Criswell, Jr.,** U. S. N. R., B.S. in M.E., 1939, of Atlanta, executive officer of the U. S. S. Grayling, lost his life when the U. S. S. Grayling was sunk about the fall of 1943.

**1st Lt. Charles L. Fell,** Army Air Corps, B.S. in G.E., 1941, who has been missing in action since March 19, 1945, is presumed to be dead, according to word received by his parents, Mr. and Mrs. Shelby G. Fell, 612 Fairmont Ave., Westfield, N. J.

The Flying Fortress on which he was navigator, failed to return from a mission to Bohlen, Germany. The plane was last seen over Ostend, Belgium, where it was ordered to leave the formation to rush the strike pictures back to base. Nothing further was seen or heard of the plane or any of the crew.


**Lieut. J. U. Horton,** USNR, Class of 1942, of Waycross, Ga., was lost when the Submarine R-12, disappeared during September, 1943, off Key West, Florida, while on training exercise.

**Lieut. A. E. Kirstein**, USNR, M.E. Class of 1941, of Asheville, N. C., torpedo and gunnery officer aboard the submarine U.S.S. Shark, lost his life when his submarine was sunk, during October, 1944.

**Aviation Cadet Ernest D. MacManus,** I.M. student, Class of 1942, was killed in a plane crash in Texas, during his training period in the army.

**Lt. (j.g.) Robert King Maxwell,** USNR, Class of 1944, of Norris, Tenn., was lost with the U.S.S. Liscome Bay, one of the Keiser type carriers, by submarine torpedo; off Makin Island, on November 24, 1943.

**Lt. Ed. Schley Parks, Jr.,** USNR, Class of 1941, of Atlanta, Ga., gunnery officer on the submarine U.S.S. Triton, was lost when his submarine disappeared during June, 1943.

**Lieut. George Schlotter,** USNR, M.E. 1941, of Baltimore, Md., was engineering and diving officer on the U.S.S. Runner. Lieut. Schlotter lost his life when this submarine disappeared during September, 1943.

**1st Lt. Eugene Rowe Trowbaugh,** 1942, of Tampa, Fla., has been reported as having been killed on July 3, 1943, on Tinian, in the crash of a B-29 while taking off on a combat mission. Only one member of the crew survived. There was another Georgia Tech man aboard who also was killed—**Lt. Col. Theodore Watson,** class of 1942, of Carmel, Calif.

**Ensign William Luther Wood,** USNR, Gen. Engr., 1943, of Boyd, Fla., was killed in action in the Pacific area, July 10, 1945.
Service Mentions and Citations

Colonel Robert A. Anderson, B.S. in C.E. 1930, is now out of service. He commanded anti-aircraft battalions and was last in the Philippines with airborne artillery.

Dr. Jack K. Bleich, B.S., in Chemistry 1927, having recently been released from the Army Medical Corps as Lieut. Colonel, has resumed medical practice at 105 Forrest Ave., Atlanta, Ga. Dr. Bleich was overseas for two years and received a special citation from the Netherland government for outstanding medical assistance to citizens of that country.

Capt. Sam B. Bohannon, B.S. in M.E. 1941, is now connected with Underwood Elliot Fisher Co., Hartford, Conn. Capt. Bohannon was C. O. of Ordnance Tech. Intelligence Team, C.B.I., and is holder of the Bronze Star, Asiatic Pacific Ribbon, Pre-Pearl Harbor Ribbon, American Defense Ribbon and Victory Ribbon.

Lt. Col. Harrison Bray, 1935, is connected with James S. Peters Fertilizer Co., Manchester, Ga. He served five years in the army and was awarded the Legion of Merit by General Brehon Somervell.

Lt. Col. Edward S. Bullock, B.S. in Gen. Engr., 1924, is now on terminal leave and is living at 18th and First St., Jacksonville Beach, Fla.

Capt. Louis S. Chambless, B.S. in M.E. 1935, served in the Ordnance Department for four years, and is now associated with Combustion Engineering Co., Proposal Dept., 200 Madison Ave., New York, N. Y.

Capt. Lewis R. Jackson, B.S. in M.E. 1932, after serving four years in the army, is back at Combustion Engineering Co., Proposal Dept., 200 Madison Ave., New York, N. Y.

Lt. Comdr. J. W. Kelly, B.S. in M.E., 1942, has been stationed in Seattle, Washington, for the past several years. He expects to receive his discharge on July 1.

Lt. John Francis Kneisel, B.S. in Gen. Engr., 1942, was recently released from the Navy and is now employed as Senior Aerodynamicist with the McDonnell Aircraft Corp., of St. Louis, Mo.


Colonel Daniel A. McKeever, B.S. in E.E. 1932, received his promotion from Lt. Col. while on Terminal leave. He is a partner in J. E. Hanger, Inc., Atlanta, Ga.

Capt. Chas. A. McLeod, B.S. in C.E. 1943, recently joined the Seventh Infantry Division occupation forces as Aide-De-Camp to Major General Andrew D. Bruce, new Hourglass Division commander.

Lt. Jack L. Meeks, USNR, B.S. in ChE. '41, recently discharged from the Navy, is sales engineer for Neptune Meter Co., Atlanta.

Commander J. E. Minter, B.S. in M.E., 1931, a member of the second Naval ROTC class to be graduated at Georgia Tech and senior naval officer among all Georgia Tech Navy graduates, has been awarded the Bronze Star. The award was for outstanding leadership and administrative ability as port director for the Bullith Naval Base, a principal staging area for the assault on Okinawa.

Commander Minter is now on terminal leave after more than five years of active duty. He holds a position with the Georgia Milling Co.

Lt. Commander James S. Moore, B.S. in I.M. 1937, Navigator on the USS Sangamon, was awarded the Purple Heart and the Silver Star. He is now taking a refresher course and expects to be sent to a branch office of the Chain Belt Co.

Major Fred G. Mylius, B.S. in C.E. 1927, served with the Corps of Engineers as Battalion Commander, 1303rd Engr., G.S. Regt. He is now associated with Smith Equipment Co., Columbia, S. C.

Fred B. Ragland, B.S. in I.M. 1937, having been discharged from the Army Air Force as Major, is now Director, Bureau of Finance, Florida State Board of Health, Jacksonville, Fla.

Major C. H. “Shorty” Roberts, B.S. in Gen. Sci. 1935, former star quarterback for Georgia Tech, is back in Atlanta after Pacific duty. Attached to the Signal Corps, Major Roberts was head of photography in the Pacific area.

(Continued, next page)
Service Mentions and Citations (Cont'd)

Raymond A. Seifert, B.S. in I.M. 1939, who attained the rank of Lt. Col. in the Corps of Engineers, is now Assistant to the Land Valuation Engineer, Land Dept., Tennessee Coal, Iron and Railroad Co., Birmingham, Ala.

Wister A. Sharp, B.S. in Commerce 1929, formerly a Navy lieutenant, is back at his desk with Sharp-Boylston Co., realtors, after almost three years in service. He is secretary-treasurer of his firm.

Sgt. Chas. E. Smith, B.S. in I.M. 1943, wearer of the Purple Heart, has received his discharge from the army and is connected with Latham Time Recorder Co., Atlanta, Ga.


Lt. Wm. B. Teague, B.S. in I.M., 1941, served in the Navy for three years and seven months. He is now sales representative for International Business Machine Corp., Atlanta.

Colonel George R. Terry, B.S. in C.E. 1926, is on terminal leave until June 26, at which time he expects to return to the service of the Central of Georgia Railway, Savannah, Ga., as assistant engineer in the office of the Chief Engineer.

Major James L. Thompson, Class of 1928, has been relieved of active duty and expects to leave for Rio de Janeiro, Brazil, where he will manage the Brazilian office of J. Walter Thompson Advertising Company.

Major Louie Van Houten, B.C.S. 1929, popular coach for Marist College in Atlanta for 8 years before going into the army in December of 1940, has received his discharge and taken a position in Atlanta with the Veterans' Administration.

Colonel Blake R. Van Leer, President of Georgia Tech, while in Washington recently, was presented the Army Commendation Ribbon by direction of the Secretary of War, "for meritorious performance of duty as chief, facilities branch, Army specialized training division. In so doing, he contributed markedly to the excellent relations which existed between the War Department and the institutions of higher education included in the program, reflecting great credit upon himself and the military service."


Lt. Col. Herbert A. Williams, Jr., B.S. in E.E. 1933, was released from active duty in January, after having served 43 months in the Pacific area with anti-aircraft units. He is now a partner in the firm of J. A. & A. S. Mills, Sylvania, Ga.

Ensign Jacob Zarovsky, USNR, B.S. in A.E., 1945, has reported for duty in the Special Devices Division of the Office of Research and Inventions, Navy Department, Washington, D. C. The office of Research and Inventions is a comparatively new Navy Department organization.

Gold Star Alumnus

Lt. Commander Marvin T. Smith, U.S.N.R., Naval Aviator, B.S. in C.E., 1932, son of Mr. and Mrs. Jasper M. Smith of Moultrie, Georgia, has been officially reported to have lost his life in combat in the Asiatic area, off Borneo, on February 20, 1945; he was previously reported missing on that date.

Lieut. Comdr. Smith received his appointment as a Naval Aviation Cadet in July 1937, and was trained at Pensacola, Fla. He steadily rose in rank and became a Lieut. Commander in April 1944. He made an exceptional record and became Commander of a Liberator Task Unit, composed of two squadrons.

For his outstanding leadership and heroism, he was awarded the Silver Star, D.F.C., Air Medal, Purple Heart; and his squadron was awarded the Navy Unit Citation.

Lieut. Commander Marvin Smith is survived by his wife, mother and father, and other members of his family.

Graduate Wins Architectural Award

Hugh Stubbins, Jr., 1933 graduate in architecture from Georgia Tech, and a Harvard professor, was the winner of a $3,000 first prize in the "Georgia Builds," international architectural competition as sponsored by Rich's of Atlanta, Ga.

Dr. Blake R. Van Leer, president of Georgia Tech, was the guest speaker at the $10,000 awards' dinner at the Biltmore Hotel in Atlanta on the night of April 24. The dinner was given by Rich's in honor of the architects who designed the winning homes.

Other prize winners included Watson Balharrie, of Ottawa, Canada, who received the $1,500 second prize; Harold Calhous, of Houston, Texas, $1,000 third prize; Walter P. Hickey and Raymond Weber, of Birmingham, Mich., each $500 fourth prize and W. E. Willner, of Atlanta, who won the $1,500 special Georgia award.

Twenty other architects were awarded $100 each for honorable mention in the competition which was entered by more than 600 persons.

The competition was for a house not exceeding 1,350 square feet of floor space, on a lot in an established residential section of a still-growing city, 60 feet wide and 150 feet deep.

Next "Alumnus" in September

The Alumnus isn't published during the July-August period; however, the Alumni Office will be busy on expansion and placement duties, securing and compiling personnel data; and club work, in addition to its many routine activities.

The alumni staff, on the second floor of the Georgia Tech Y. M. C. A. Building, cordially welcomes visits from the alumni, at all times, for a chat, in general, or for placement services, corrections and additions for the alumni files and everything else that goes with a trip back to the campus.
Alumni Prominently Mentioned

Professor Joseph Akerman, B.S. in M.E., 1932, has been appointed Head of the Department of Heating and Air Conditioning at the Milwaukee School of Engineering, Milwaukee, Wis. Mr. Akerman is widely versed in the field of domestic and commercial heating and ventilation, and returns to the teaching field with an objective of developing outstanding heating and air conditioning service and technician courses.

A. L. Bartlett, B.S. in Arch., 1925, is associated with Warren, Knight & Davis, Architects, Birmingham, Ala. During the war, Mr. Bartlett was on the Rubber Program with B. F. Goodrich Co.

Hardie C. Bass, Jr., B.S. in Arch., 1932, is Head of the Architectural Staff, Department of Church Architecture, Southern Baptist Convention, Nashville, Tenn.


James R. Carnes, Georgia Tech 1931, announces his return to the general practice of law, 508 Murrah Building, Columbus, Ga., following an absence while on active duty in the United States Naval Reserve.

Craig Davis, B.S. in M.E., 1941, left during April for Sao Paulo, Brazil, where he will be employed by the J. P. Riddle Company and the Brazilian Air Ministry as an instructor of Brazilian Air Force personnel.

Oscar G. Davis, B.S. in M.E., 1922, former Coca-Cola Company executive, will join the Trust Department of the Fulton National Bank of Atlanta on July 1.

Philip H. Giddens, B.S. in Arch., 1920, released from the army with rank of Major, Corps of Engineers, plans to open his studio in New York, as well as in the south, as soon as accommodations are available. Mr. Giddens is a portrait painter and etcher. His portraits have been exhibited in The Royal Academy, London, England, Palm Beach, Fla., and many other cities. His etchings have been purchased for the permanent collection of the Library of Congress, Washington, D.C., The British Museum, London, The Metropolitan Museum of Art, New York, and others in the U.S.

R. F. Hauenstein, B.S. in T.E., 1923, is President and General Manager of the Arrow Products Company, Birmingham, Ala.


John M. King, Jr., B.S. in I.M., 1942, is associated with Caroline T. McIntyre, real estate broker, Atlanta. While in service, he was an instructor in the Flying Training Command; also flew B-17s and B-29s and went overseas to Saipan and Japan.


Frank Newton, B.S. in E.E. 1925, Georgia Division Traffic Supervisor for the Southern Bell Telephone Company, has been appointed District Traffic Manager at Miami, and has been succeeded in Atlanta by E. B. Montague, B.S. in E.E., 1913, of Miami.

Edward B. Newill, B.S. in E.E. and M.E., 1915, is General Manager, Allison Division of General Motors Corp., Indianapolis, Ind.

A. W. Palin, Jr., B.S. in E.E., 1922, has taken over the duties of Mississippi Valley District Operating Manager for the Graybar Electric Company. He will be located at District Headquarters in St. Louis. Major Palin recently returned from a tour of duty with the U.S. Army.

Wright T. Paulk, B.S. in Gen. Sci., 1935, is Vice-President of Butters Manufacturing Co., Atlanta.

Frank Player, Class of 1929, will be Atlanta branch manager of Mehring and Hanson Co., heating, ventilating and air-conditioning concern, upon completion of its building now in process of construction.


William C. Wardlaw, Jr., B.S. in T.E., 1928, announces the establishment of the firm, Wardlaw and Hunter, Inc., investment counselors, with temporary quarters in the Trust Company of Georgia Bldg., Atlanta. He was discharged from the Navy with rank of Lieutenant Commander.

Warren Wheary, B.S. in Com., 1926, is Vice-President in charge of Sales, Schneider Metal Mfg. Co., Chicago, Ill.

Boyd F. White, B.S. in Com., 1923, is Vice President, Draper-Owens Co., Atlanta, Ga.


(Continued from last issue)

Harry Wallace Loving, B.S. in M.E. 1911, is Vice-President of J. A. Jones Construction Co., Inc., Washington, D.C.

Michel George Malti, B.S. in E.E. 1922, is Professor of Electrical Engineering, Cornell University, Ithaca, N.Y.

Thomas A. Middlebrooks, B.S. in C.E. 1928, is Head Engineer, Chief of Soils Branch, Office, Chief of Engineers, New War Dept. Building, Washington, D.C. He has received the James Laurie Award, A.S.C.E., also the Exceptionally Meritorious Award from the War Department.

Henry W. Moore, B.S. in Gen. Engr. 1928, is Manager of the Air Conditioning Department of the 20th Century Refrigeration Co., Cincinnati, Ohio. Mr. Moore served three years in the army.

Douglas M. Murray, B.S. in Commerce 1934, is Vice-President of the Donald M. Murray Co., 14 East 46th St., New York; also President of the firm in Rio de Janeiro.

William A. Parker, B.S. in M.E. 1919, was selected as one of the co-leaders for the Red Cross Drive in Atlanta.

Alumni Mention (Cont'd)

George M. "Pup" Phillips, Class of 1919, is General Agent for Pan American Life Insurance Co., Atlanta.
John M. Reifsnider, B.S. in M.E. 1918, is Vice-President of the Gordon Manufacturing Co., Toledo, Ohio.
George P. Rosser, B.S. in C.E. 1925, recently released from the U. S. Army with the rank of lieutenant colonel, has been appointed assistant manager of the Kansas City division of Ethyl Corporation.
Charles A. Smithgall, B.S. in Gen. Sci. 1933, who is General Manager of Radio Station WAGA, Atlanta, has been elected President of the Georgia Association of Broadcasters.
Walter C. Stevens, B.S. in E.E. 1924, has organized the Stevens Manufacturing Co., Mansfield, Ohio, and will manufacture thermostatic controls and devices.
James M. Townsend, B.S. in I.M. 1938, former Lieutenant, USNR, is Manager of the Coca-Cola Bottling Co., Wickford, R. I.
Kyle H. Turner, P.E. in Comm. 1933, is connected with the Atlantic Gas Light Co., since expiration of his terminal leave from the Navy on January 24.
Raymond H. Ulrich, Class of 1920, is Vice-President of Southern Natural Gas Co., Birmingham, Ala.
Charlie Witmer, B.S. in Gen. Sci. 1930, is a member of the firm of Ross & Witmer, Inc., Charlotte, N. C., distributors for the Carrier Corp., Air-conditioning and Refrigeration, covering the south half of North Carolina for all products of the corporation.
Don R. Woelf, B.S. in A.E. 1936, has been appointed Chief Blade Design Engineer of Curtiss-Wright Corp., Propeller Division, Caldwell, New Jersey.
Linton H. Young, B.S. Arch. 1932, and Pope H. Fuller, B.S. in Arch. 1937, both of whom are on terminal leave from the armed forces, have organized the architectural firm of Young & Fuller, with offices at 36 Fifth St., N. W., Atlanta, Ga.
Karl P. Zerfoss, former Secretary of the Georgia Tech Y.M.C.A., is Professor of Psychology and Director of Graduate Placement at George Williams College, Drexel at Fifty-Third Sts., Chicago, Ill. Mr. Zerfoss will be very glad to have a call or visit from any of his old Georgia Tech friends who may be in Chicago.

Enrollment Reaches All-time High

Enrollment for the spring term at Georgia Tech now numbers 3,127 regular students and 850 extension division registrants, for a record making, Georgia Tech total of 3,977.
The college will have a short summer session this year and then return to the quarter system starting in September, 1946.

Enrollment last term was 2,400 regular students and about 700 extension division students.

Col. Blake R. Van Leer, president, announced that hundreds of out-of-state prospective students could not be admitted because of limited classroom and laboratory facilities. In addition, several hundred Georgia boys, many of them married veterans, were accepted but will not be admitted to the extension division until the summer session.

Gold Star Memorial Roll

World War II

(Additions and Corrections)

Tributes to these gallant, Georgia Tech, "GOLD STAR ALUMNI" have been published in issues of the ALUMNUS, since January 1942; unfortunately, however, information has not been received at Georgia Tech on all alumni who have made the "Supreme Sacrifice" and it is sincerely requested that those of you who may know of others, kindly check the list and report all corrections and additions to the Georgia Tech Alumni Office, Georgia Tech Y.M.C.A., Building, Atlanta, Ga.

NOTE: *Did not complete course at Georgia Tech, because of entry into service.
A—Army; N—Navy; M—Marine Corps; CAP—Civilian Air Patrol; AAF—Army Air Force; NAC—Naval Air Corps.
A—
B—
C—
Criswell, Harvey Wilburn, Jr., Lt. N.N.E. '39, Atlanta, Ga., Fall of 1943, Sinking of submarine Grayling.
F—
H—
Horton, J. U., Lt. N., '42, Waycross, Ga., September, 1943, off Key West, Fla., on training exercise, submarine R-12.
K—
L—
M—

Wilcox, Allan L., Lt. N.A.C., M.E. '40, Tyler, Tex., September 8, 1944, Pacific night patrol, off Celebes Islands. 
Dr. Rosselot Elected to High Post

Dr. Gerald A. Rosselot, director of the Engineering Experiment Station at the Georgia School of Technology, has been elected chairman of the Research Branch of the Southeastern Section of the Society for the Promotion of Engineering Education for 1946-1947. This selection was made at the annual meeting of the branch, which was held in Nashville, Tenn., on April 25, 26 and 27. Dr. Rosselot succeeds Dr. N. W. Dougherty of the University of Tennessee.

Alumni Clubs (Cont'd)

Miami, Florida
President JH Brock
Eastern Air Lines

Vice-President A C Bivins
123 S W 30th Road

Secretary SF Fulton Webb
3825 Toledo Street, Coral Gables, Fla.

New York, N. Y.
President Roland Gooch
N Y Central System, 70 E 45th St.

Secretary J F Hohmann
Room 502, 30 E 42nd St.

President Carl Kimbell
2311 Green Street

Vice-Pres.
Secretary E W Harwell
1120 Broad St, Station Bldg.

Rome, Georgia
President J Ridley Reynolds
Georgia Power Company

Vice-President R P Poole
Celanese Corporation

Secretary E H Gibson
106 Woodcrest Drive

Savannah, Georgia
President Hugh Hill
Haines, Jones & Co., 7 E Bay St.

Vice-President James E Averett
321 E 51st Street

Washington, D. C.
President W L Mingledorff, Jr.
No President—They have a chairman for each meeting

Secretary A R Stirn
415 Jackson Place, Alexandria, Va.

West Point, Georgia
President John A Simmons
West Point Manufacturing Co.

Vice-President Frank B Williams

Secretary R J Morton
President Chattahoochee Valley Railroad

Heating, Ventilating and Cooling Systems for
Residences, Schools, Churches and Theatres
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Equipment Furnished for Using Coal, Natural Gas or Oil

Complete Engineering Service

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676 HEMPHILL AVE., ATLANTA, GA.
Gene Turner Reports on China

Dear Friends:

About the time the UNO was affecting its organization in London, a truce to an eighteen year old war in China was declared. Not even for the war with Japan did the Communists and the Central Government cease fighting. It has not been a question of who was bad and who was good, nor of which was right and which was wrong, but rather, whether China was to be unified, or divided, whether there was to be one government, or two. Both sides are pledged now to make it one. Does it mean an orderly China? One dare not hope for too much for some time to come.

Like England and the United States, China was not prepared for peace. Unlike them, she lacks the forces of integration. She has no great net of railroad and air communications, only a few thousand miles of railway. She has no great pool of educated scientists, nor of leaders, no great accumulation of technical experience and "knowhow." Less than fifty years ago, she gave up her old system of education, with nothing of modern science, modern medicine, engineering and little of practical value, and established the beginnings of modern education. These short years have given leaders of merit and ability, but numbers are too small for problems, perhaps more complex than those of any other nation today. Many will starve here because of lack of technical experience and communications, and die for lack of medicine, sanitation and clothes.

If you have talked with returning G. I.'s you will have learned many regard China as hopeless. As in other countries, there has been a wide breakdown in personal morality. She has had eight years of war under a tight embargo of her coasts. She has been crushed and flattened out with most disastrous inflation. In occupied sections it was smart to cheat and thieves. It is not surprising that field jackets, tires, tools, parts, gas and other supplies disappear when they have been dumped in unguardcd boxes, and the weather is as cold as it is in America. So this great city, often called the Chicago of China, like that in America, has had its fire and must be rebuilt. Just now she sits in rather a moribund state, shaken and weak. Her streets are pockmarked with craters from bombs and shrapnel and there are many marks of destruction. There are many such battered cities.

Here is a lighter note—$1,000—to break my somber picture! It is worth about two cents now and by the time you have it it will be only worth keeping as a bookmark. The new year is well advanced, but may you have as many blessings as the dawn of peace.

Cordially yours, Gene Turner

Multi-Purpose Weapon for Industry

Wartime developments in the application of photography to industry have armed engineers with a new multi-purpose weapon pre-sighted on product improvement. This weapon is known as functional photography. In today's competitive postwar world, it fights for faster processes, for sounder technics, and for lowered costs.

For functional photography is a weapon of virtually limitless range, capable of magnifying structural details as much as 100,000 diameters, or of magnifying time itself with the Eastman High Speed 16mm movie camera that shoots at 3,000 frames per second. Radiography, spectrography, photomicrography, photo-layout, and instrument recording—these, in addition to ultra-speed photography and electron microscopy, all serve industrial needs. The many new advantages gained through the use of these photographic tools during the war are already being applied to the peace-time practices of many concerns.

Motion too fast for the eye to follow has been brought to a near-standstill by the ultra-speed camera. In ordinary "slow-motion" movies such as those familiar to theater goers, the film is exposed at the rate of 40 frames per second and projected at 24 frames per second. Here, at time of motion is multiplied by two; or the speed of motion diminished one-half. By comparison, in ultra-speed photography, time is multiplied by 187. Photographed at this speed, a 60-mile-an-hour streamliner would appear to move roughly six inches per second when the film was screened.

Whether an engineer wishes to refer to this as the magnification of time or as the slowing-down of motion is relatively unimportant. What is important is that ultra-speed photography permits the visual study of chemical (liquid flow) and machine processes which up until now have defied detection by the eye. This has meant better, faster technics in welding; it has made possible the elimination of "chatter" in telephone relays; it has enabled printers to trace the cause of vibration in their paper, vibration which produced "fluttering" with resultant faults in reproduction.

Photography's partnership with industry has become an accepted fact. The advantages photographic methods offer in analyses and inspection, coupled with the fact that film provides a permanent record of conditions and processes, is leading to new applications of its technics almost daily.

Gene Turner Reports (Cont'd)
Roy McArthur to Coach Basketball and B Team

After receiving his discharge as an officer in the Coast Artillery, Roy McArthur, B.S., 1933, returned to Georgia Tech during the first of the year, and he has since been appointed coach of the basketball team and freshman football coach.

As a freshman, McArthur participated in two major sports, football and basketball. He made the first team on each of these freshman contingents. After his freshman year he began his career as a varsity first-stringer. He played quarterback on the football squad for three years and held down one of the guard positions on the Tech hoop squad for three seasons.

Not only was Roy McArthur a good athlete but he was prominent in campus activities as well. His different activities and positions of leadership gained him admittance into the Anak Society, the organization whose membership is limited to only the outstanding members of the senior class.

After receiving his degree, Coach McArthur was offered a job on the Jacket coaching staff. He very readily accepted and has been at Georgia Tech ever since, except for his three-year stay in the armed forces.

Football Announcement and Schedule

Mr. Charles M. Griffin, graduate of Class 1929, Business Manager of the Georgia Tech Athletic Association, Atlanta, states that the 1946 application blanks will be sent out about June 20; and asks that all ticket requests be mailed to him between July 1 and July 15, 1946.

The Athletic Association has anticipated an unprecedented demand for ticket sales for the 1946 season. Plans were completed to insure adequate seating capacity with a new West Stand; however, because of material shortages and the urgent need of directing all possible materials for the use of constructing homes for veterans, these plans have been postponed.

Ga. Tech's student enrollment has increased from 2,500 to 4,000 and the personnel of the faculty and employees has doubled. The Athletic Department is also very anxious to supply tickets to the alumni who have returned from the Armed Services.

In order to expedite orders and replies to inquiries, as to football tickets, please write or communicate directly with Charles M. Griffin, Business Manager, Georgia Tech Athletic Association, Atlanta, Georgia.

SCHEDULE 1946 - GRANT FIELD

V.M.I. .......................... October 5
Ole Miss. ........................ October 12
Auburn .......................... October 26
Navy ............................. November 9
Tulane ........................... November 16
Furman ........................... November 23
Ga. Freshman vs. Tech Freshman

GAMES AWAY

Tennessee-Knoxville, Tenn. September 28
L. S. U.-Baton Rouge, La. (night) October 19
Duke-Durham, North Carolina November 2
Georgia-Athens, Georgia November 30

Track Team Second in S. E. C.

Despite the fact that the cindermen haven't had a track to practice on at Georgia Tech, this season, since Grant Field has been torn up with relocation work, the team has shown flashes of its last year's championship form.

In a tri-team meet at Athens, Ga., on May 4, the squad won with 56 points to 52 for Auburn and 18 for Georgia. However, with individual and general entries in the Southeastern AAU track and field meet at Auburn, Ala., on May 11, the Auburn team, that failed to score a point in the same meet, last year, stepped out in front and remained there to win first place with 60 points; followed by Georgia Tech with 49 and 1-3.

In the Southeastern Conference track meet at Birmingham, Ala., on May 18, L. S. U. led by their star, Tom Dickey of Atlanta, won the Southeastern championship with 54½ points; Georgia Tech won second place with 44 points; Tulane, third, 40¾; followed by Miss. State with 34. Auburn and Georgia followed the foregoing leaders.
Tennis Team Again Wins Title

For the third successive year, Georgia Tech's brilliant tennis team has won the Southeastern Conference Tennis Championship. Under the coaching of Professor Earl Bortell, the Georgia Tech netmen have won twenty-nine straight matches over the last three years; and have had only one tie, by Tulane in Atlanta this spring.

After their opening matches in New Orleans on May 10, the members of the squad went into a decisive lead with three of the four finalists in the two divisions of singles play; and with one team in the doubles finals. The team went on to win even more conclusively in the finals.

Georgia Tech's stellar, championship tennis squad is composed of: Howard McCall, Tom Fowler, John Bethune, Bobby Hill, Ed. Adams, Reid Brown, Bert Warshaw, and Niles Millsap.

Patents, Microfilm in Library

In accordance with an arrangement made with the U. S. Patent Office, the Georgia Tech Library is establishing a file of American patents, it was announced by Mrs. J. H. Crosland, Librarian. The first shipment of current records and drawings was received from Washington, D. C., this week.

However, an effort is being made to obtain all, or a great part, of files of patents granted prior to 1925. This addition to the Library, which is ranked as the best of its kind in the engineering field in the South, will make it unnecessary for Southern engineers and scientists to make long trips to Washington to obtain patent information.

The engineering and scientific literature of the world is now available to Southern engineers and scientists at Georgia Tech through microfilms. A special type of film-reading apparatus originally developed for the Army Air Forces, has been installed in the School Library.

Public Relations Meeting Attended

By Director Zsuffa

Georgia Tech was represented at an annual meeting of the American College Public Relations Association, which was held this year in Lexington, Ky., May 6 through 9. The school's representative was Colonel Leslie F. Zsuffa, Director of Public Relations. Other Georgia institutions represented included the University of Georgia, Emory University, LaGrande College and West Georgia College.

The more than 200 delegates present discussed the many problems facing the colleges and universities of the country, especially the enrollment and housing of veterans. It was pointed out during the meeting that the best housing accommodations furnished married veterans at any school are those of Georgia Tech at Marietta.
“Have a Coke”

Enjoy the Pause that Refreshes