

AN EDITORIAL

Stop Foolish Destruction

Tech tangles with the University of Georgia at Athens today and we hope that all the tangling is done on Sanford Field.

In the past it was considered perfectly proper to willfully destroy as much of the University as possible while in Athens, and what couldn't be destroyed was to be marked and marred beyond recognition.

It was all done in the name of school spirit and with the added incentive of completely mistreating a traditional and hated rival.

The University certainly won't appreciate any such conduct. We didn't think the marking of certain buildings on the Tech campus last year very funny, just as they didn't condone similar measures by Tech men two years ago.

The question is not who started these destructive escapades, but when will they end? This seems as good an opportunity as any to put an end to foolish destruction.

There will undoubtedly be much pent up emotion that will need an outlet somewhere. The best place for "letting go" is at the game. You can yell for all you're worth there and it will certainly be appreciated by the team.

Let's Beat Georgia

Faculty Authorizes Uniform Courses

The faculty of Georgia Tech recently approved a uniform course of study for all entering freshmen, according to President B. R. Van Leer.

Tech has had a more or less uniform freshman curriculum for many years, but the present freshman year includes one additional requirement—physical training for all men.

The course will be given three hours each week and students will receive one credit. Freshmen will be required to carry the additional three hours during both halves of the school year in addition to the regular first year programs outlined in the school catalog.

Van Leer Appointed To National Committee

President Blake Van Leer has been appointed for a three-year term to the Military Organization and Policy Committee of the Association of Land-Grant Colleges and Universities.

The other members of the committee are: President A. C. Willard, of the University of Illinois; President E. O. Holland, of the University of Washington; and President F. L. Eversull, of North Dakota Aggies; Colonel J. W. Harrelson, dean of administration of North Carolina State College, and President Alfred Atkinson, of the University of Arizona.

Conference Asks Ban On Torture

Fields, Austin Attend New York Meeting

Floyd Field, dean of men, and Robert Austin, president of the Georgia Tech Interfraternity Council, were representatives of the school at the National Interfraternity Conference, held in New York Friday and Saturday of last week.

All forms of hazing involving mental or physical torture, including paddling, will be banned officially and absolutely by all colleges and universities throughout the country and offenders, both individuals and organizations, disciplined if the request of the National Interfraternity Conference is followed.

A resolution declaring such forms of hazing a menace to the welfare of educational institutions and the various organizations which are a part of the institutions, as well as to individual students, was passed unanimously.

College officials and fraternity men were urged by the Conference to reactivate at once all interfraternity councils, undergraduate and alumni, and all chapters dormant because of wartime conditions. A committee was authorized to work out a desirable plan for the rehabilitation of fra-

(Continued on Page 6)

Jackets Set For Game With Bulldogs In Athens

Regents Approve Post-War Plans For New Buildings

Academic, Textile, Radio Facilities Planned

Plans and specifications for Tech's three newest post-war building projects have been approved by the committee of the Board of Regents for the 1944 development plan for Georgia Tech. The committee was made up of Marion Smith, Frank Spratlin, and Rutherford L. Ellis and met with President Van Leer to authorize the plans.

The plans call for a new academic classroom building to be constructed at an estimated cost of \$450,000; a textile building to be built at a cost of \$425,000, and a radio communications building estimated at \$65,000.

The academic classroom building will be situated near the corner of Third and Cherry, while the other buildings will be located according to Master Plan M-6, full details of which cannot be released yet.

Plans are being drawn up by Bush-Brown, Gailey, architects, and Paul M. Heffernan and Richard Aeck, associates, of the architecture department, so as to be able to begin construction as soon as the present war is ended.

Lang Will Address Presidents Club

The Georgia Tech Presidents Club will meet at the First Methodist Church for a turkey dinner on Wednesday evening, December 6.

The dinner will be followed by singing, entertainment, and an address by Dr. George Lang, head of the department of philosophy, University of Alabama, who is coming here for this special occasion. President Van Leer has been invited to be present.

The Presidents Club is a voluntary association consisting of the presidents of all the active organizations on our campus. In pre-war days, it was the custom for this club to hold two meetings each year, one in the fall and one in the spring. Now that student activities show signs of reviving, it is time for the Presidents Club to get under way again.

BRIEFS

Anyone wishing to ride to Charlotte, N. C., or vicinity, at the beginning of the Christmas holidays, and back again at the end of the holidays, should see Mrs. Cook at the Personnel Office in Swann Hall.

A special meeting of the TECHNIQUE staff will be held Monday evening at 6:30 in the YMCA. All members of the business and editorial staffs are urged to attend. Weekly assignments will be made at this time, rather than posted as in previous weeks.

School Spirit at Peak For Invasion of Athens

School spirit ran high today as students, naval and civilian, prepared for the trek to Athens after a successful pep meeting in the gymnasium Thursday night.

The pep meeting, sponsored by the Yellow Jacket Club, was the most successful of the season as the usual Georgia-Tech rivalry became clearly evident. The meeting consisted of cheers, songs, and yells.

Coach Bobby Dodd, who directed the team against Notre Dame and will probably be in charge against Georgia, addressed the students.

Coach Alexander missed the Irish tilt because of illness, but is expected to attend the game tomorrow.

Junior Colleges, Technical Institutes Groupe Appointed

Professor R. S. Howell will serve as chairman of a newly formed Committee on Technical Institutes and Junior Colleges. Appointed by President Van Leer to serve with Professor Howell are Dr. R. L. Sweigert, Major A. A. Case, Dr. H. S. Weber, and Professor M. A. Honnell.

The committee's duties are "to keep the president and faculty of Georgia Tech informed concerning all questions relating to technical institutes and junior colleges."

Upon appointing the committee President Van Leer stated that, "there is federal legislation pending which will establish technical institutes in each state."

"Our concern should be to see that these institutes and junior colleges develop so as to adequately prepare students for admission to the Georgia School of Technology and also to see that these institutions do not attempt to duplicate the expensive instruction required in the upper division and graduate division of our professional engineering schools."

Seek to Break 14-Year Jinx

Georgians Gunning For Upset Victory

Seeking their first win over the University of Georgia on Sanford field and their second straight Southeastern conference title, the Georgia Tech Yellow Jackets will take the field this afternoon at 3:00 (EWT) under the direction of Bobby Dodd.

Although the Navy laden Engineers will be cast in the favorite's seat for the game because of their season's record of seven wins and two losses against teams superior to the ones the Bulldogs have played, Coach Wally Butts' squad has shown definite advances in their last few games and are expected to push the Techsters to the limit.

After opening the season in the rain with a loss to the strong Wake Forest eleven, the young group of players for the Athens team have made one of the most remarkable recoveries in the nation. Operating with the T formation for the first time in history this year, the Jackets' opposition for this afternoon have come from a team showing its inexperience to a formidable football force.

The only loss suffered this year by the Bulldogs other than to Wake Forest came on Grant Field when Gene Knight's kicking for the LSU Tigers and numerous fumbles cost the team a victory. In their other games this year Georgia has brushed aside Kentucky, Presbyterian, Daniel Field, Alabama, Florida, Auburn, and Clemson.

A loss to the Engineers today will also mean the loss of the SEC crown. To date the Jackets are the only team in the league boasting an undefeated record against conference foes, having beaten Auburn, Tulane, and LSU, but the Rose Bowl bound Volunteers from Tennessee have finished their season with a scoreless tie with Alabama, the only mar on their

(Continued on Page 4)

Bob Hopping Too



—Camera Club Photo by Long.

Bob Hope braved threatening weather and a crowd of autograph seekers to see the Tech-Notre Dame game. Left to right are Jerry Colonna, Tony Romono, Hope, and friend, who were in Atlanta to help with the sixth War Bond drive.

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Buy Bonds

Fancy slogans and patriotic fanfare drone across the nation as the Sixth War Loan drive seeks to achieve its goal. The Treasury Department has set the quota for this loan at fourteen billion dollars. That sounds like a lot of money—it is a lot of money—but its only enough to finance our part in this war for about two months.

Let's forget about the slogans and get down to hard facts—the kind of facts an engineer has to understand and master to earn his way.

If the war lasts as long as some high army and navy officials predict, and they ought to know, then most of us will be taking our swing at the Japs in person or through some machine we helped produce. But there are millions of other fellows who've been out there for a long time and would like to get home as soon as possible. If buying a bond will help them then it certainly is worth it.

Then there is the problem of paying for the cost of the war. It costs too much to ever think of paying the whole piece now. And so by paying over a period of years it doesn't pinch the pocket quite so much—sort of like buying on the installment plan.

For the hard headed business man there is always the tempting interest rate. It's a smart as well as safe investment.

Yes, it takes money to win this war. It's our war and that means our money has to win it. So invest up to your neck—buy that extra bond.

Physical Training

A program that has been lacking on the Tech campus for some time has now been set up to go into effect next term—a compulsory physical education program for civilian students. From now on all freshmen will be required to schedule three hours a week of this training for two semesters.

It has been recognized throughout the country that all college students should be compelled to participate in physical training to develop their body as well as their mind during their stay in college, but until now the facilities at Tech have been inadequate to handle all of the civilians because of the Navy's requirement for all of their trainees to engage in its program.

Now with the reduced enrollment in the Tech Naval Unit, the space, personnel, and equipment is sufficient to handle the other group of students. The school will grant one credit hour per term to those that enroll in these classes from now on.

In many schools physical education is required for all students for two or more years, and this type program may come in at Tech to fill its need in the future.

Booster

The Bulldog Club has scored again in its effort to boost the school's morale and spirit by announcing that plans are under way to hold a Tech Stunt Night for the student body.

Throughout the country programs of this type are one of the highlights of the year for many colleges, and if it is conducted properly here, it should take a similar spot on the Tech campus. Although many argue that a program that would include events such as this isn't necessary on the Tech campus because of the school's location, there is a need for something that would help to bring the students closer together, and these plans of the Bulldog Club would help to furnish that need.

Although the arrangement for the Night are still in the early stages, the plan is scheduled for sometime shortly after the Christmas vacation and would include stunts from all fraternities, and other campus organizations.

Appropriate prizes will be awarded to the groups that present the funniest and most original ideas in the form of a skit to the students.

A Start

Postwar plans for a bigger and more expansive Tech are beginning to materialize. The Board of Regents has approved plans for the construction of three new buildings.

Now we know that all this postwar expansion is not just so much talk, for such material planning is not the result of long tongues and short sights.

Plans along this line are continually progressing. Of course, no construction may begin until after the war, but at that time actual steps will be taken to make Tech one of the most modern and best engineering schools in the country.



By AL MORRIS

When more comical things are done, more comical clothing designed and worn, the Shriners will have a hand in it.

At the Thanksgiving game they even dug up a bandleader to match our own maestro Palmer. The white-robed Yaarab with his sword and the munitions of his cohorts would probably chase the maestro right out of the park.

Game sidelight: Washington likes the "feminine" appearance of Rip Green in a football uniform.

With Christman, it's a case of love one, love two. . . . "I'm off cadet nurses," says one Cloudmanite. "How was I to know she was married?"

Classroom oddity: Professor asked student for notes in mechanics course. Student replied innocently, "Last semester's or semester's before last."

Smart boy: Freshman inquiring way to professor's office learned that it move for Thanksgiving.

was on the second floor. He asked how to get there. Informant replied, "Up the stairs."

Hornick vows his girl's looks don't attract him . . . but he's attracted! Sam Woodley got a quick start after transferring from Miami . . . with a WAVE. McIntosh has that something for which Agnes Scott girls are searching.

The big Homecoming week-end in Athens will be quite an opportunity for some wolves. If you don't think Athens-Atlanta wires have been hot lately, ask Tindell. It'll be a real homecoming for Bob Stone.

These fraternity initiations: Frank Faughman laboring in preparation for his striptease. . . . Moffett collecting fingernails.

Dick Collier isn't wearing a uniform for nothing . . . two girls and a sailor! Smith does all right without moonlight. . . . Heunefeld was on the move for Thanksgiving.

Books

By Mrs. J. H. Crosland, Librarian

In the Atlanta Journal of Wednesday, November 22, there was an article about some research being done at Tech in the aeronautics department on helicopters. The library in the aeronautics building has many technical books on this subject. Everybody doesn't expect to do research on the subject or to be any kind of a specialist. Many, however, are looking forward to piloting a helicopter after the war; therefore the library has acquired some readable books for non-specialists on the subject of helicopters.

Mr. Sikorsky has said that the average person will be able to learn to fly a helicopter as easily and proficiently as the same person can drive an automobile. Naturally a person wants to be at least as familiar with the inner workings of a helicopter as he does with an automobile he may be thinking of buying and flying.

The two books reviewed below were written for that purpose. There are many articles in current periodicals on helicopters and a short bibliography of these is given below. There are many others which can be found through the Readers' guide.

Macauley, C. B. F.: *The Helicopters Are Coming*.

Most of this book is, of course, the author's personal opinion, but he has enough background in the study of the helicopter to be capable of expressing an opinion of interest to most of us who may be thinking—or dreaming—of owning a helicopter some day. He tries to answer as much as possible the questions which pop into our minds first.

He says, "There are three vitally important considerations for every prospective individual purchaser. They are, first, everyday use, second, safety of operation and third, initial cost and upkeep."

His elaborations on these considerations are very interesting. When we begin to get alarmed about helicopters going up and down, above and below us, the author offers consolation and a solution to that situation.

The book approaches the subject from a personal angle and a commercial angle, and gives an idea of its use in the present war. It is entertainingly written, bringing in such practical details as to what to do about the clothesline or the children's playthings in the back yard if they are in the helicopter's resting place.

Gregory, H. F.: *Anything a Horse Can Do*.

This is a story of this "modern Pegasus," the helicopter, from its beginning to present day use and future models. It is told interestingly and simply, describing the technique of piloting the present day model. The title is suggestive too of the material.

(Continued on Page 6)

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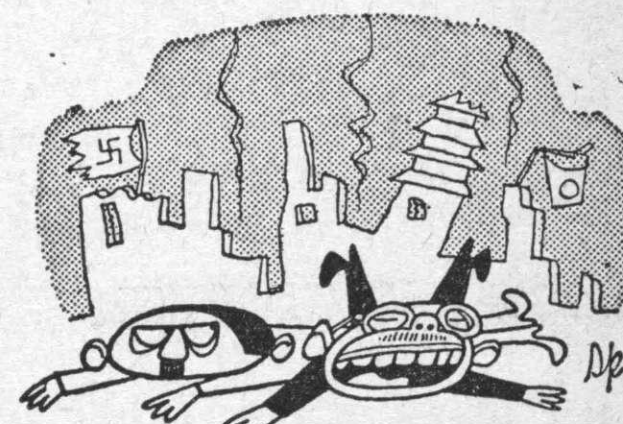
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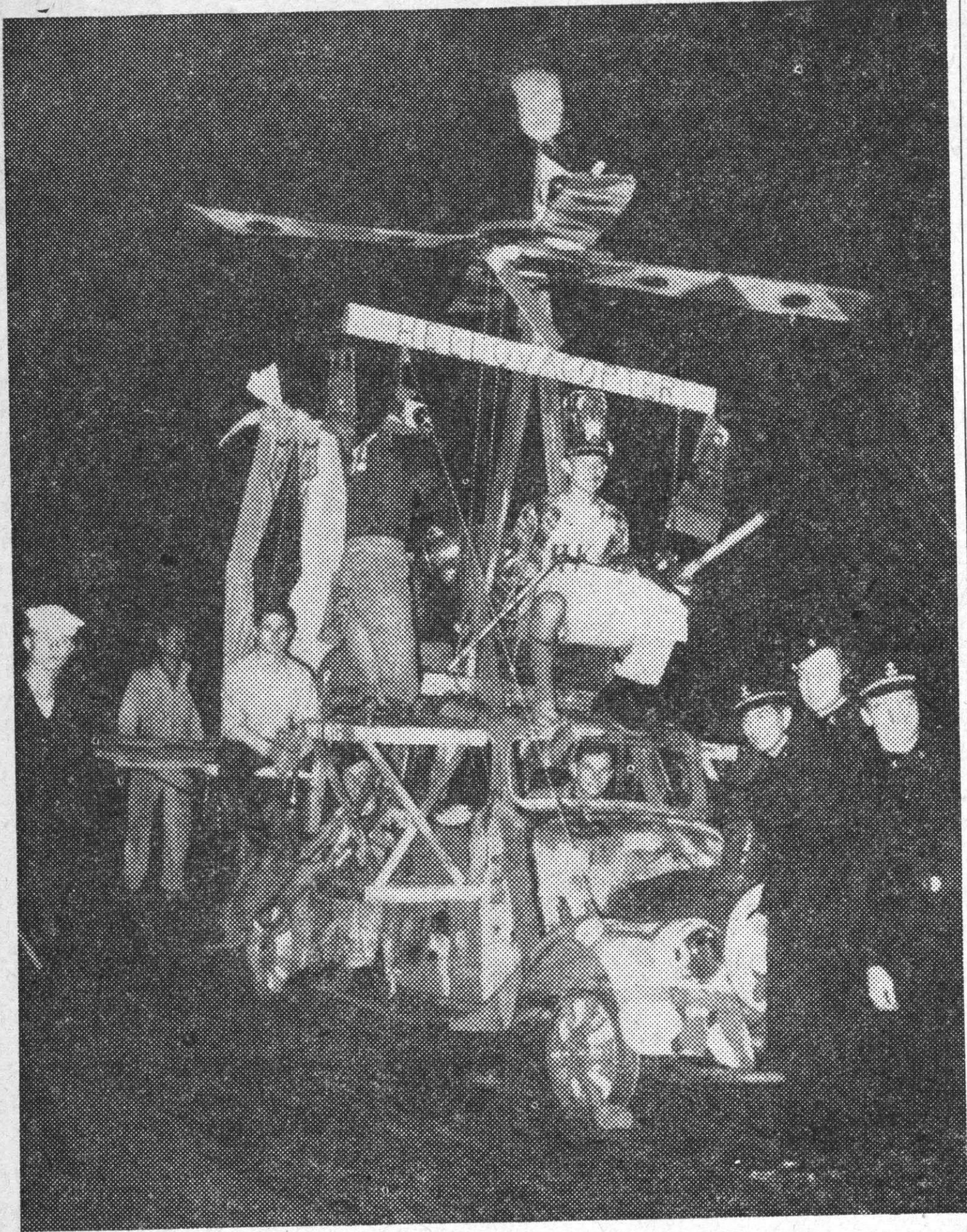
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Pledge Master Hal Hughes sitting atop Pi Kappa Alpha's take-off on the heliocoaster drives his pledges to victory in the Ramblin' Wreck Contest on Homecoming.

Announcers Ruin Good Game Says Writer

By ARTHUR PRINE

Radio announcers at football games should be placed in a category with women who are always opening their mouths at the wrong time. The only difference is that women are not paid for their talking. Take, for instance, a theoretical game between Tecumseh Tech and Pavo. Here's the way some of our little chatterboxes of the air would broadcast it.

"Here we are, folks, right atop Tobacco Bowl Stadium in the heart of dear old Dixie. 'It seems as though Tecumseh Tech is playing Pavo University. Good old P. U. Every time I think of P. U., I think of limburger cheese, but that's another story. I believe Tecumseh Tech is wearing pink jerseys and P. U. orange. Or is it the other way around? Anyway, one team has pink jerseys and the other orange jerseys."

"Let's see, who's that kicking the ball? It's a good kick. Who kicked that ball? I'll ask Tom Smith who is up here this fine day to spot Tech players for us. Tom played football for Lee Junior High once, was pretty good, too. Tom tells me that was Snafu who kicked off, and on the first play one of the boys from P. U. ran 65 yards for a touchdown. The score is 6-0.

"P. U. has kicked off now and Salamander is back to pass. He throws a long one. My God, but that's a long

pass. Let's see—it went about 10, 20, 25 yards. Oh yes, Harmph caught it and ran forty yards for a touchdown. Chowdereski kicked the extra point and Tech leads 7-6.

"P. U. is on the Tech five-yard line. Will they score and move into the lead? P. U. comes out of the huddle. We'll now pause fifteen seconds for station identification.

"Well, well, here we are back again. P. U. leads 12-7. Tech has the ball and is moving forward. Snafu takes the snap and begins to swing wide. There are some swell blocks in there. His interference forms in front of him. He evades several tacklers. He's running beautifully. He's knocked out of bounds for a yard loss.

"Sazrac takes the ball from center and makes ten yards to the P. U. four-yard line. This is it, folks. You know, folks, the tenseness of this crowd reminds me of the high anticipation of a man who drops a nickel in the slot and waits eagerly for that bottle of delicious Googa-Goola to come bouncing out. Well, I hope I haven't taken too long, but anyway Tech won the game, 13-12.

Contemporary Clippings

By BOBBY FOYLE

Betty Howell writes of Emory University life in 1839 as follows: "... Emory was a hard-working place in 1839 without much time for recreation. Each student had to work three hours daily on either the campus paper or the college-owned farm at wages of \$217. ... Shipping offenses were 'profane swearing, Sabbath-breaking, indecent language and falsehood'."

Other by-laws include: "No student shall attend any ball, theatre, horse-race, or cock-fight. No student shall keep for his own use or pleasure any horse, carriage, dog or servant. No student shall visit any tavern, confectionery or any place where intoxicating liquors are sold."

Most students then would not have had time or opportunity to engage in any other of these pleasures because a curfew bell rang at 9 p.m. ... The rising hour was dawn and attendance was enforced at the two daily prayer meetings and Sunday worship service.

Modern Emory students can perhaps trace their "tea-sipping" reputation from this early straight laced decorum and be thankful that times and college life have changed.

—The Emory Wheel

* * *

The following is an excerpt from the conclusion to a lab report by Edward Schaschl, now a senior chemical, who turned it in during the final days of last semester. The experiment was determining reaction rates for a clock reaction.

"Clock reactions are useful in timing, for displays, and for studying reaction rates. The latter of the three being the least useful since not very much is gained from an experiment such as this."

—Technology News

* * *

At Valparaiso university, a freshman asked an upperclassman, "Who are these 'sick guys' I hear about?"

The astounded upperclassman, also a "sick guy," told the freshman to take a course in Greek, and learn the pronunciation of Sigma Chi.

—Technology News

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Prof Taught At Woman's College

Says Girl Students Are Conscientious

By HAL HUGHES

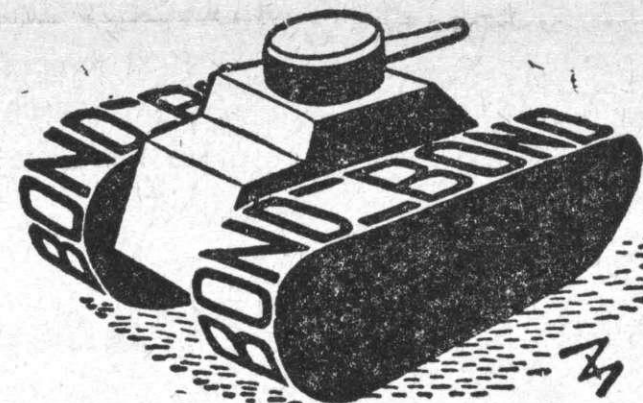
It's a long jump from the Woman's College at the University of North Carolina to Georgia Tech. At least the faculty members here do not have to patrol the campus after dark to protect the students from male wolves.

And that is just what Dr. Wells, of the Math department had to do when he was teaching Philosophy at the University.

The manpower shortage had grown so acute that the young women of the institution were closing their nightly prayers with an entreaty for a man. The army answered by establishing a training camp nearby. That was when the faculty patrols were started.

Dr. Wells, who received his doctor's degree in Philosophy, claims that he enjoyed teaching at the Woman's College because his students were so intelligent, some of them were even Phi Beta Kappas. Most of them were very conscientious in their studies, he says.

Why anyone, even a married man like Dr. Wells, would want to leave a school of blossoming womanhood to teach a bunch of dull engineers is more than this writer can figure out. But he says he is very fond of math and explains, "In math you know all the answers. In philosophy you don't, and nobody else does."



Tech Grid Star Cited For Valor

Lieut. Bobby Sheldon, whose flashing feet and strong right arm carried him to football stardom at Georgia Tech and Boys' High School, has been cited for outstanding bravery by his commanding officer, Major General A. H. Turnage, U.S.M.C., according to word received in Atlanta by his father, Charles A. Sheldon, Jr. The citation read:

"On December 23, 1943, during combat with the Japanese forces in the Cape Torokina area, Bougainville Island, British Solomon Islands, a squad of a machine-gun platoon under your command was forced by heavy enemy fire to withdraw from its position, leaving behind a wounded enlisted man.

"Without consideration of your own safety, and despite the danger from enemy gunfire, you proceeded with a hospital corpsman to the rescue of the injured man, whom you succeeded in evacuating to safety.

"Your outstanding bravery and devotion to duty were in keeping with the highest traditions of the United States Naval Service."

Lieutenant Sheldon was a star of the 1942 Georgia Tech team, alternating at tailback with Clint Castleberry. Before entering Tech he was a star at Boys' High School.

Lieutenant Sheldon graduated from Georgia Tech in February, 1943, and immediately went into the Marine Corps.

Colonel Louis H. Thompson, formerly of Atlanta, was awarded the Legion of Merit by General Douglas MacArthur for his service as a member of the staff of general headquarters, Southwest Pacific area, from September, 1942, to May, 1943. A graduate of Georgia Tech, Colonel Thompson served in the Army artillery in France in 1918, participating in the battle of the Meuse-Argonne.

Ensign William B. Rogers, grandson of Mrs. F. R. Rogers, 683 Juniper Street, N.E., Atlanta, is an officer aboard a destroyer which has just received a presidential unit citation for exceptional action against the Japanese.



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Southern Teams Lead Bowl Game Selections

The Southland's bid for the title of the college world's bowl king rises to a new high this year as the twelve-team conference places one of its members in every one of the four major contests.

These four appearances build up the Southerners' record to 38 post season contests, which date back to 1926, when 'Bama's Crimson Tide journeyed to Pasadena for the South's bowl debut. Even though the bowl idea was born and nursed to maturity on the Pacific Coast it is the South-eastern Conference that has come through and produced the greatest number of participating teams.

The colleges and universities from below the Mason-Dixon line have advanced so far toward bowl-game dominance that they have missed only 13 of the 53 classics staged in the four big bowls in the last 18 years.

This year Tech travels to Miami for a return engagement with the Golden Hurricane of Tulsa, while Tennessee's undefeated Volunteers make the long trip to Pasadena's Rose Bowl to oppose USC. The Trojans have yet to lose a bowl game, having won the seven, and are definitely the favorites because of the large experienced squad drawn from the V-12 trainees.

Over at Dallas, Texans will find Oklahoma A & M meeting Texas Christian. The up-and-coming Sugar Bowl will be the scene of the Auburn-Duke clash.

Last week the conference standings remained fairly intact—with the exception of Mississippi State. The Maroons lost to lowly Ole Miss, 13-8, and dropped out of the bowl picture entirely. The Vols overcame a fighting band of Kentucky Wildcats to finish their season undefeated and put themselves in a position to walk off with conference honors if Tech loses to Georgia.

Saturday will find Tech invading Sanford Stadium to overcome the Georgia jinx. The Jackets are favored but anything may happen. Tulane played LSU in the annual bayou brawl with the Greenies still bouncing from their defeat in Atlanta.

Standings (Conference Games Only)					
TEAM	W	L	T	Pts	Opp
Georgia Tech	3	0	0	75	13
Tennessee	5	0	1	99	20
Georgia	4	1	0	121	59
Alabama	3	1	2	128	47
Tulane	1	1	0	23	47
Mississippi State	3	3	1	54	74
Louisiana State	1	3	0	46	87
Mississippi	2	5	0	53	113
Kentucky	0	3	0	18	104
Florida	0	4	0	47	118
Auburn	0	4	0	47	118

Irish Hand Jackets Second Loss, 21-0

Tech Offense Fails In Homecoming Tilt

Tech dropped its second game of the season Saturday when the Fighting Irish of Notre Dame unpacked their "T" and marched off with a 21-0 decision.

Notre Dame scored early in the first period on a 44 yard drive ending with Brennan driving over from the 11. Neither team made a threat again until late in the second quarter when the Irish drove to the Tech four before a determined defense stopped them.

The Jackets took over there and started their one real offensive threat of the game, with Broyles and Ritter passing the way 81 yards of the Notre Dame 15. The Engineers bogged down there as four passes failed, and the ball went over to the Irish.

Starting the third quarter Notre Dame repeated its first quarter performance by scoring early on a pass from Dancewicz to Kelly. Throughout the third and into the fourth quarter a fine Tech defense held the visitors back, but the Jacket offensive couldn't get started either.

Notre Dame's third touchdown came in the final quarter as Brennan took a lateral from Dancewicz and circled right end. The Jackets had previously stopped a Notre Dame push on the three, but had lost the ball again on an interception.

Without the services of Frank Broyles, who was forced out with a bruised hip, the Engineers showed little signs of their usual potent attack, and couldn't get into a sustained drive in the second half.

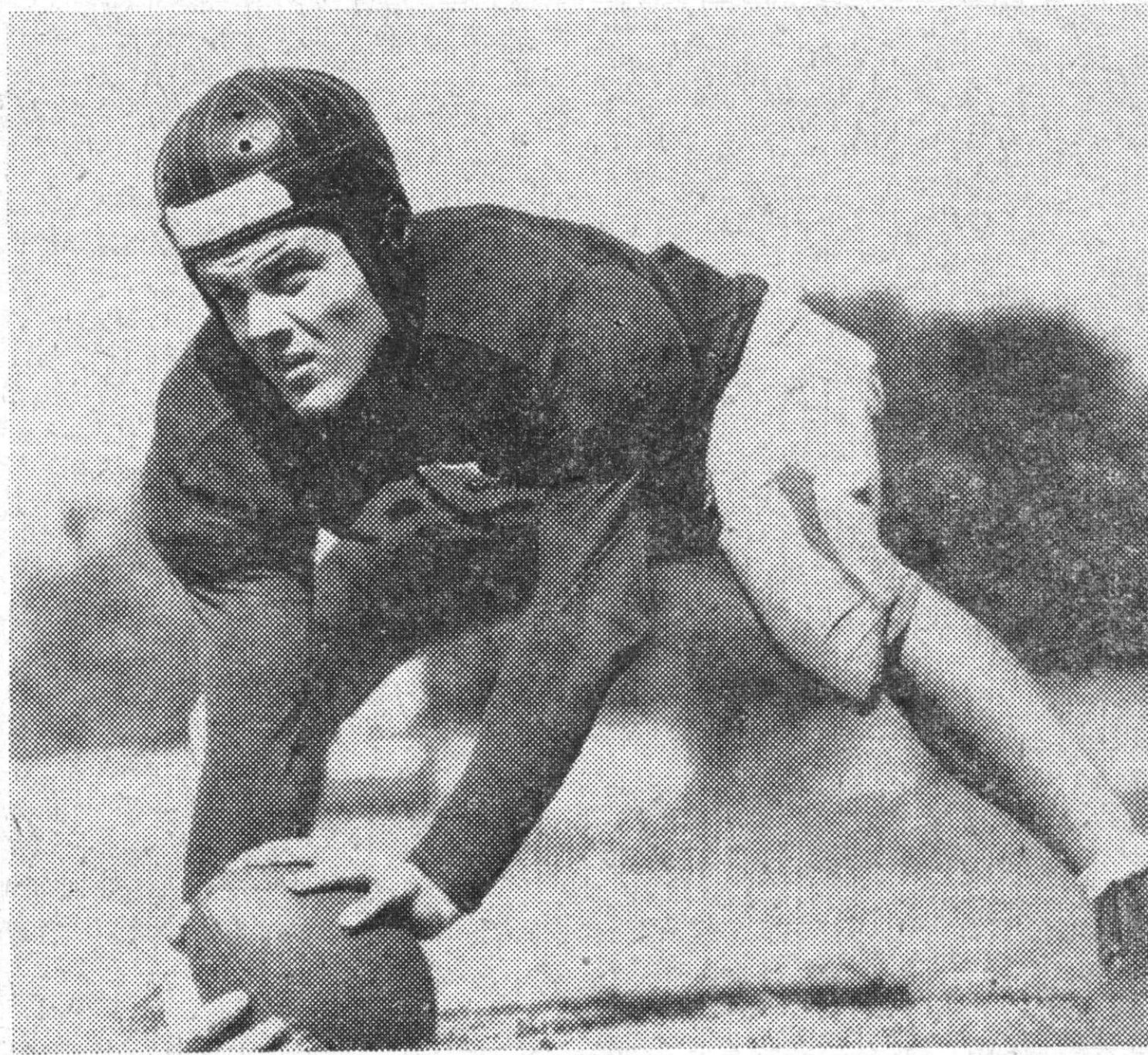
Cage League Planned For Navy Dormitories

An intramural basketball tournament will be played here immediately following the Christmas leave period, Lt. Hassell announced this week. All dormitories will be represented in the tourney, and the games will be played in the Gymnasium or the Armory.

No further plans have been completed as yet.

Tinsley, Broyles Make All American Selection

Pivot Man



Sports Personality

Duke Leads Tech Wall In Game With Irish

By NILES MILLSAP

"Lineman of the week" is the title which best fits Tech's hard charging center, Paul Duke, who led the Jacket forward wall in their brilliant defensive play against Notre Dame Saturday. Duke's fine play in stopping the Irish attack was one of the highlights of the game, and brought him praise from fans, coaches, and writers, the AP citing him in its round-up of the nation's stars.

Playing his first year on the varsity, Duke has pulled up rapidly since the start of the season, coming from the third string up to his present position as starting center. He opened against Pre-flight, Tulane, LSU, and Notre Dame, and also played most of the Duke and Navy tilt. Duke will be counted on heavily today as Tech goes against Georgia for more of the hard play which brought the often repeated announcement over the PA last Saturday—"stopped by Duke."

Before entering Tech in February of '42, "Jughead"—as he has been labeled by his teammates—attended

Boys High and previously to that Druid Hills high. While at Boys High Duke got his start in football, playing as varsity center. Upon leaving there he turned his nose up on a U. of Ga. scholarship and chose to come to Tech on his own. Last year he played on the B team and was chosen on the Sugar Bowl squad.

A member of the NROTC, Duke is at present a junior in the M. E. department, and will be available to the Jackets until next November. His extra activities have proven his versatility, as he is a member of the Bulldog Club, the IFC, and has been twice president of the Chi Phi fraternity. His final aim at Tech is to fulfill a boyhood ambition of graduating from Tech, and also to gain his commission.

Stern Selects Pair To Mythical Eleven

Captain Phil Tinsley and Frank Broyles this week gained major honors for their brilliant play at Tech this season, when selection for All-American teams were made. Tinsley was placed on Bill Stern's first team All-American and Broyles on the second. On the UP squad, Poole of Army edged Tinsley slightly to annex the top position.

On the All-SEC team, Tinsley and Broyles were big favorites in gaining the first team. The fine defensive and offensive play of Tinsley has been a feature of the Tech team the whole season and has been a big factor in its success. Broyles has also been a sparkplug for the Jackets, supplying the punch in the Engineers' attack.

Another Jacket regular to gain All-SEC honors was freshman Dinky Bowen, whose running and kicking has been responsible for many of Tech's victories. Also receiving honorable mention were three members of the Jacket forward wall, Furchgott, Holtsinger, and Phillips. Murdock and Duke got their share of praise when the AP cited them this week for their terrific pay against Notre Dame.

All-SEC first team: Rushing, Florida; Serini, Kentucky; Trapani, L. S. U.; Warrington, Auburn; Dobelstein, Tennessee; Wozniak, Alabama; Tinsley, Tech; Gilmer, Alabama; McWilliams, Miss. State; Jones, Tulane; Broyles, Tech.

Baby Jackets Win Over Sewanee Team

Before a Thanksgiving crowd of some 20,000 football fans, the Georgia Tech "Baby Jackets" scored a thrilling 12-7 victory over the University of the South in a hard-fought game that wasn't decided until the final period.

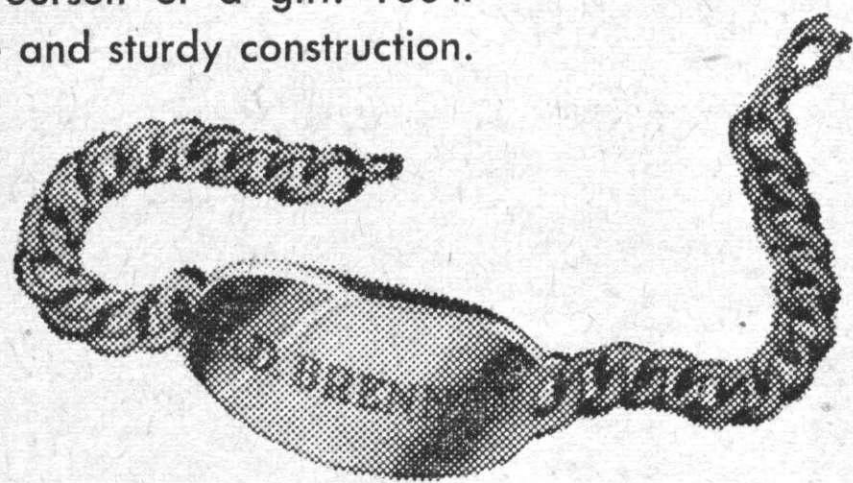
Tech opened the first quarter using a "T" formation, and Grenga plunged over for the first touchdown after five minutes. This offensive proved ineffective after this drive, however, and the Jackets went to the familiar Tech single wing.

Late in the second period, Flowers faded to pass for Sewanee, but finding no receivers clear, he ran instead and went over for a score. The conversion was good.

Both teams battled on even terms until late in the game when Captain Rumsey Taylor sparked the Techsters to a scoring drive. Taylor went over for the touchdown and the ball game.

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TECH TALK

by Earle Holliday



To many of the students and to most of the old alumni of Georgia Tech, the success of the Jackets 1944 football season depends on the outcome of today's tilt in Athens against the team's bitterest rivals, Georgia.

At the beginning of the season few Jacket supporters were looking toward today's game because they thought then that it would be a repetition of last year's trouncing of the Bulldogs, but as the season developed, the outlook on the struggle changed considerably.

During the first half of their schedule the Jackets looked like a championship club as they brushed aside all opposition, including the Middies from the Naval Academy, allowing only 22 points to be scored against them. From that point on, however, it has been a different story.

Duke nosed out the Jackets in a close game. The team caught the old spark against Tulane the next week in the second half to win. Then against the toothless Tigers of L.S.U. it appeared listless during most of the game but came through with a 14-0 victory.

* * * * *

In the last time out for the Tech squad against Notre Dame last Saturday it couldn't match the Irish offense as it went down for the second time of the year. As we saw this homecoming game, the Jackets were at their worst of the year while the Irish were their best.

This doesn't go for the whole team, however, as the Tech defensive line put on one of the best displays of football we have seen this year. The passing game, both offensively and defensively, was at its lowest ebb in that tilt, and the other scoring weapons failed to function properly.

* * * * *

If we are to believe Coach Ed McKeever's statement that the Irish were at the tip of play against the Jackets, we can't believe that they rate higher than the Jackets for the year, regardless of the 21-0 score.

Another point of the game that surprised this reporter was the type of play demonstrated by the Irish. From the acclaim always given Notre Dame year in and year out, we pictured them as a clean, hard fighting team, but the game they played on Grant Field last Saturday was far from this. Throughout the afternoon they played a hard, rough brand of ball, but many times we believe that they overstepped the line between rough ball and dirty ball.

We aren't trying to say that the Irish didn't deserve to win the game as they were definitely superior to the Jackets last Saturday, but Tech was far below par.

* * * * *

Getting back to today's game, Tech will enter the contest as the favorite, which is natural, but unless they snap out of the recent slump, we think the Bulldogs have a good chance of upsetting the dopesters.

On the other hand, if the Tech pass defense is at its peak again we think the Jackets will have little trouble in outscoring the Georgia team decisively, even with the Sanford field so-called jinx working against the Engineers.

* * * * *

It appears that the battle of brothers will have to be called off today because of injuries to one of the clans. Until last Saturday it looked like the two Furchgotts, Maurice and Charles, would see action this afternoon opposite each other, but it is doubtful now if Maurice will see action against Georgia.

* * * * *

After taking a beating at the picking game last week by calling Tech, Mississippi State, Penn State, and others to win, we enter the last week of football definitely behind the eight ball, but nevertheless here is our choice for this week's abbreviated schedule: Tulsa over Miami, Arkansas over Arkansas A&M, Bainbridge over Maxwell Field, Tulane over L.S.U., Notre Dame over Great Lakes, Army over Navy, Oklahoma over Nebraska, T.C.U. over S.M.U., Texas A&M over Miami, and Tech over Georgia.

* * * * *

SHOTS FROM HERE AND THERE: It's amazing how many football players that are never heard of during the season suddenly pop up on the all-star team. An example of this is the current all-SEC teams being published. Most of these have only five players, Broyles, Tinsley, Bowen, Dub Jones, and Bourgeois, on them from Tech and Tulane, which are head and shoulders above the freshman squads from other conference schools.

Although Tech has played its last game of the year on Grant Field, the stadium still has one of the best games of the year to be played on it. Next Sunday afternoon two of the best teams of the nation, the Second and Third Air Force teams, with Trippi and Dobbs in the starring role.

Georgia Flash



Counted on to give the Engineers some bad moments in today's game is Georgia's star halfback, Al Perl, who combines fancy running with good kicking. In the recent Ga.-Clemson game Perl outraced the Clemson secondary to score on the opening play.

Cagers Schedule Georgia— Practice Sessions

(Continued from Page 1)

record. Should the Bulldogs win today, they would gain a second place tie with Tech, while Tennessee would take the title.

The Bulldogs, who have been hampered by injuries to many of their best players all season, are expected to have their best team of the year on the field today to meet the Jackets with the only starter definitely out of play being Rabbit Smith, who was injured several weeks ago. Captain Billy Rutland missed practice during the early part of the week because of stomach trouble, but he is expected to see heavy duty today.

Two men on the Tech squad missed part of the game with Notre Dame last week when they were injured, but one of these, fullback Frank Broyles, will be ready to take the field for the kick-off at Athens. The other, guard Maurice Furchgott, has not entirely recovered from his injury, and Coach Dodd stated during

The Georgia Tech cagers continued on this week in preparation for the coming season with daily practices. The sessions are still under the direction of Chief Polk, who is subbing for Dwight Keith until the end of football season.

Still plagued by the same handicap which cost them so dearly in games last year, lack of height, the Jackets, nevertheless, are showing good form in work so far. Leading the contenders thus far have been returning lettermen, Durand Holladay and Dick Collier, who are expected to carry a big share of the burden this year, along with another '44 star performer, Frank Broyles.

Leading up to the start of the regular season in January, the Tech cagers are scheduled to go against several service teams in practice sessions. These games are only informal scrimmages, and there will be no admission charge. Practice games listed thus far at Tech are:

- Dec. 5—Lawson General, 5 p. m.
- Dec. 9—Jax. Naval Air St., night.
- Dec. 12—Lawson General, 5 p. m.
- Dec. 19—Gainesville Naval Air

Pre-Flight Runners Win Squad Trophy; Tech Takes Third

Auburn Harriers Finish Second

Athens' Pre-flight's cross-country squad won the team trophy in the Southeastern Conference AAU meet held here Thursday afternoon. A score of 26 points put the Pre-flighters well ahead of second-place Auburn, whose team scored 48 points, and Ga. Tech, the third place team, with a score of 81 points. Tech High and Boys High finished fourth and fifth, respectively in the five-way team match. Boys High outscored Tech High on a man-to-man basis, but was handicapped by not entering a full team.

The winner of the first-place individual medal was A. H. Smith, a Pre-flight runner, whose time of 14:39.09 was the best turned in for the three-mile course. Other winners of individual medals were: F. H. Carley, Auburn, second; K. E. Humbert, Pre-flight, third; M. LeBlanc, the only man entered by Jacksonville Naval Air Station, fourth; and J. Gamet, Pre-flight, fifth.

Although defeated in the meet, Ga. Tech's runners, most of whom turned in their best times of the season, showed much improvement. Those who ran for Tech were, in the order of the finish, as follows: M. B. Clapp, D. Durst, E. J. Vann, J. W. Brinks, C. M. Gunn, M. W. Chesson, Delaney, W. L. Grissom.

Pagen Wins Cake Race

Carlos Pagan won the Freshman Cake Race Thanksgiving Day and will be presented with his freshman numerals by the Athletic Association. Billy Williams and H. Angueira took second and third place respectfully.

the middle of the week that it is doubtful if he will be ready for action today.

Both of the teams spent most of the practice time this week in light drills on fundamentals although the Jackets did not get in two short scrimmages. Much of the Tech time was spent in resharpening its passing attack, which failed to click against the Irish last Saturday, and in perfecting new plays to throw against the Bulldogs.

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Tech Graduate Planner In Raids Against Japs

Brig. Gen. Haywood S. Hansell, a Tech graduate and General Arnold's first chief of staff for the 20th Air Force, is featured in a story by Sidney Shalett in the Saturday Evening Post of November 25.

An uncanny interest in aviation led General Hansell to enlist in the Air Corps in 1928 "just to learn something about planes." Today he is one of the leaders in the Army Air Forces.

He was General Arnold's right-hand man in organizing the superbombing show against Japan, and only recently he left the United States to take a highly important new field job, obviously with the 20th Air Force.

The magazine article reveals how, four months before Pearl Harbor, President Roosevelt authorized General Arnold to draw up an air-war plan "so we wouldn't be caught short." Included in the group of officers detailed to draw up the plans was General Hansell.

General Hansell was a special observer for the AAF during the London blitz, then General Eisenhower's air-plans officer, commander of the 8th Air Force's First Bombardment Wing, and later deputy commander in chief of Allied Expeditionary Air Forces in the Mediterranean.

He has been awarded the Legion

Lt. Gordon White Joins Navy Staff

Lieutenant Gordon White is the newest addition to the rapidly changing staff of officers at the Naval Armory. This is his first permanent shore assignment after more than two years in the Navy.

Lieutenant White is a graduate of Virginia Military Institute. After serving a year in the Merchant Marine he was commissioned at the Reserve Midshipmen's School at Northwestern. He received advanced gunnery training in many of the Navy's gunnery schools.

His sea service consists of two years on miscellaneous craft. He served as gunnery officer for one year on a destroyer escort that saw duty in the Mediterranean and Atlantic before reporting to this station.

Recently Lieutenant W. J. Toner was detached from this unit to report to the West Coast for duty in the South Pacific.

of Merit, the Silver Star for combat missions, the DFC, and the Air Medal.

Conference—

(Continued from Page 1)

ternity chapters as a suggestion to administrative officers of colleges and universities.

The Conference voted that comity among members of the National Interfraternity Conference demands that no fraternity not already established on a campus shall take steps toward the installation of a new chapter on that campus until at least two years shall have elapsed after the conclusion of the war emergency unless, in the opinion of the administration of the college, amply fraternity material is present on the campus to warrant such an addition.

Wartime conditions have reduced the number of fraternity chapters since Pearl Harbor from 2322 to 1489 among 54 of the 60 member fraternities that reported to Dr. Gilbert Mead, president of Washington College, who presented his findings to the Conference. This loss was 35.89 per cent, while the decline in undergraduate membership was from 58,320 in 1940-41 to 19,920 today, or 65.83 per cent.

The report also showed that the large fraternities having 90 or more chapters suffered less than the middle-sized and small fraternities. Fraternities having 15 or fewer chapters lost 53 per cent of their chapters; middle-sized, 50 per cent; and large, only 28 per cent. There is considerably less difference, however, in percentage loss of undergraduate members.

A Decalog of fraternity policy was adopted by the Conference. Its provisions include: the teaching of men how to live and work together, adding a fraternal influence for correct living and individual development; recognition that the fraternity must be amenable to the rules and regulations of the college institution, sharing in all the college responsibilities of the undergraduate, matching the discipline of the college administration, and accepting the added responsibility incident to the supervision of group life in the chapter house; successful management, requiring sound financial practices and good housekeeping

Warren Appointed

Noah Warren, professor of economics, has been appointed to the Committee on Veterans' Affairs by President Van Leer, it was announced this week.

He replaces Professor John A. Griffin, who resigned his position at Tech to join the staff of Emory University.

Books—

(Continued from Page 2)

terial in the book. While reading it, one feels something of the excitement and wonder people must have felt when they heard about the first automobiles and had dreams of someday owning one. There are many photographs and diagrams.

Huff, Darrell: Your Family Plane of Tomorrow. Science digest. January 1944. p. 21. Explains little things like standing still in the air like a hummingbird or descending to the ground to read highway signals.

Klein, Alexander: Helicopter Progress. Scientific American. July 1943. p. 40. A short article on rotating wing aircraft.

Everyman's Gyro: Business week. Aug. 7, 1943. p. 18-19. An idea of the interest and research of manufacturers in the helicopter field and the fight and competition between them.

Boone, A. R.: Boy Who Built a Helicopter. Popular science. November 44. p. 90. Mostly pictures of builders of helicopters.

methods; excellence in scholarship; development of moral and spiritual qualities in the individual; encouragement of the acquisition of knowledge and training in cultural subjects; the development of social graces, the art of good living, courtesy and kindness, as good manners, good taste, and good companionship are a part of the training of every member; the provision of healthful housing and practices; the teaching of good citizenship in the chapter house and civic responsibilities as members of the college community thus preparing for later life; the development of qualities of human understanding, companionship, kindness, with a knowledge and training in appraising the basic values of life, leading towards a better civilization with peace and understanding among all peoples.

Faculty Grants New Degrees

Engineering Degree for Completion of V-12

Two new degrees were approved by the faculty at the last general meeting when they made provisions for students who are called into the armed services before graduation.

The degree of Bachelor of Science in Basic Engineering will be given to men who complete the Navy V-12 fully prescribed curricula. This degree will also be given to students in engineering courses who are called into the armed service if they have completed 140 hours, including all the work prescribed for their first three years, and have a general average of not less than 2.0.

For students who complete the Naval ROTC curriculum of seven semesters, there has been established the degree of Bachelor of Science in Naval Science.

A Bachelor of Science will be awarded also to students in Industrial Management, Architecture and Textile Engineering, who are called into the armed services and have completed 140 hours, including all of their work for their first three years, and have a general point average of 2.0, or better.

Home Decorations Cup to Lambda Chi

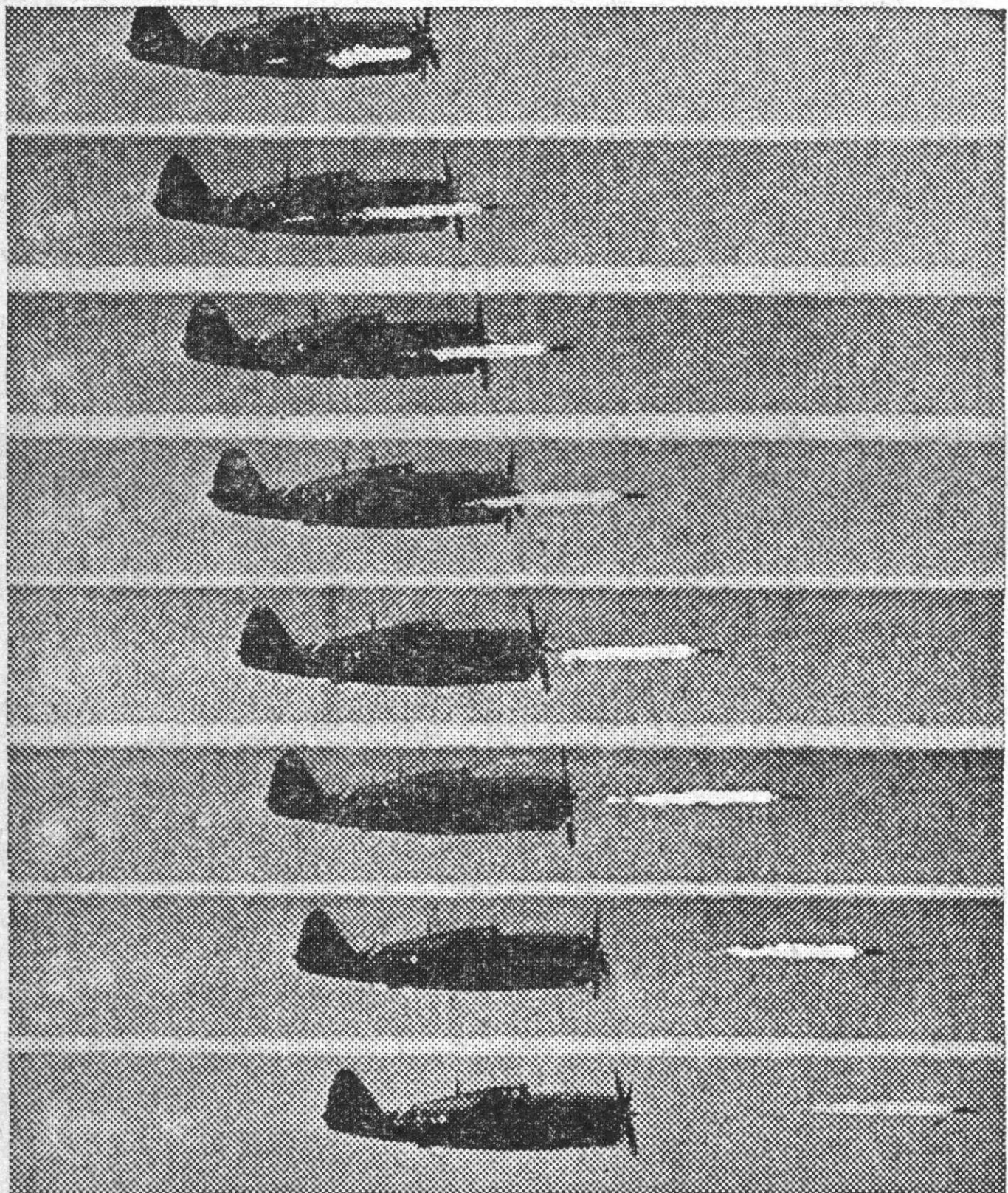
Last minute preparations featured the race for honors in the homecoming decorations contest sponsored by the Bulldog Club. Lambda Chi Alpha took first place and the gold cup offered as first prize.

The winning decoration was based on the current war loan drive with "buy bond" posters liberally displayed.

To the left of the entrance to the house were three football players in action. To the right a marine was poised with a hand grenade, chasing a Jap up a tree.

APO To Hold Meeting For Former Scouters

On December 11, an open meeting for prospective pledges will be held by A.P.O. at the Y.M.C.A. A survey is being planned by the group for next Monday to find all of the ex-scouts in the new freshman class, and these men will be notified to attend the coming meeting. Any members of the upper classes who have had scout training and wish to join the organization should contact the club through Box 1015.



NEW CAMERA "SHOOTS" FLYING PROJECTILES

WHEN Army ballistics experts needed to photograph speeding rockets, scientists at Bell Telephone Laboratories built the special "ribbon-frame" camera. Their experience came from making high speed cameras to study tiny movements in telephone equipment parts.

The new camera gets its name from the narrow slot that exposes a ribbon of film at a speed of one ten-thousandth of a second. These "stills," taken on ordinary film, show a fast flying P-47 firing its underwing rocket.

This is an example of the many ways Bell System research is helping to provide better weapons, better equipment for war and peacetime telephone service.

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