

Hydraulic Division To Be Expanded Soon—Emerson To Install Modern Fluid Flow Lab.

Realizing the need of engineering research and testing facilities for such Georgia projects as the development of the Chattahoochee River to Atlanta, the ports development project, sewage systems for cities and towns, oil and gas pipe lines, and irrigation projects, the Civil Engineering Department of the Georgia School of Technology has decided to expand its hydraulic division. The announcement was made this week by Cherry L. Emerson, Dean of Engineering.

In connection with this expansion, the Southern Natural Gas Company, Birmingham, Alabama, represented by Pratt Rather, a Georgia Tech alumnus, through the Georgia Tech Alumni Foundation, has supplied the initial impetus with a grant of \$10,000 to equip the division with a modern up-to-date fluid flow laboratory.

Windsvater to Supervise

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

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

—GST—

A. T. & T. Supervisor Discusses Communications

Mr. Newton B. Fowler, Division Plant Supervisor of the American Telephone and Telegraph Company, spoke at a meeting of the Atlanta Section of the Institute of Radio Engineers in the Physics Building last night. The subject of his address was "Some Notes Concerning Measurement Units and Scales used in Communication Engineering."

He discussed that various systems used to measure light, noise, acoustical power and other quantities must be based on the physical and psychological responses of the eye and ear. This leads to the use of logarithmic scales which often express relative magnitudes instead of absolute quantities.

—GST—

President Van Leer To Give Luncheon Address

Colonel Blake Ragsdale Van Leer, president of the Georgia School of Technology, Atlanta, Ga., will give the Luncheon Address at the ceremonies on November 14, inaugurating Dr. Joseph Cradup as President of Brenau College in Gainesville, Georgia. The subject of Colonel Van Leer's address will be "Educational Freedom."

Wilson to Head '46 Blue Print

Bigger and Better Annual Promised for Next Year

The Publications Board has announced that Jack Wilson will head the 1946 edition of The BLUE PRINT. Joe Pettyjohn will serve as managing editor and Sam Gibson will be business manager.

Editor Wilson has stated that the next edition of the school annual will be larger this year and will cover events from March of this year to March, 1946. He added that it will feature several pages of snapshots, including color photos of the campus.

The distribution date has been set for June 1 of next year. Work on the publication will begin immediately, and all men who are interested in working on the staff should report to the BLUE PRINT room in the basement of the YMCA at 7 p. m. next Thursday.

Any student planning to enter a photograph in the beauty contest should turn his picture in before November 15, to Don Delugach, Wilson or Pettyjohn, the editor stated.

—GST—

Ramblin Recks Take Four New Members

Freshmen Are Again Given Warning to Observe Rules

Four new men were elected to membership in the Ramblin' Recks Club at a meeting last Tuesday, it was announced this week. The new members are Jack Wilson, Joe Howell, Bo Starnes, and Joe Pettyjohn. Old members are Fred Cornish, George Hills, Charlie Schneider, Joe Ireland and Larry Thompson.

Freshmen were again warned to carefully observe the rules laid down for them. Briefly, they are: First semester freshmen must wear rat caps at all times. Second Semester men must wear them to football games and pep rallies. Above all, freshmen are advised to be friendly at all times and to speak to all upperclassmen.

Uncle Heine Celebrates 90th Birthday Sunday

By Harrington Brearley

John H. Henika, affectionately known as "Uncle Heine," will celebrate his ninetieth birthday Sunday. Mr. Henika was born in Kalamazoo, Michigan in 1855 and came to Tech for two years in 1891 as instructor in patternmaking. He returned to Tech in 1901 and has been on the campus since that time. At present he is foreman of wood shops and still works five days a week.

In 1891, there were only two buildings on the campus, the Academic Building and the Old Shop Building. Mr. Henika commented that the student body of that day numbered less than the faculty does now. There were no telephones, water, or electricity. The buildings were lighted by gas lamps and water was obtained from a well between the Old Shop Building and the Academic Building.

Steal Whistle

According to "Uncle Heine," Tech men were as adventurous then as now,

Student Council to Give Dance for L. S. U. Game

Plans are being made for a dance to be sponsored by the Student Council on November 17, following the football game with L.S.U. Present plans call for a local band, yet to be signed. The White Caps will not be available that night.

The dance is a step in the returning of the prewar custom of holding dances after home games. Beginning at 8, the affair will run until 12. A small admission to help defray the expense of the band will be charged.

Wickenden Speaks To Atlanta AIEE

Unrestricted Individual Research Necessary

Members of the Tech chapter of AIEE were invited to hear Dr. William E. Wickenden, 1945-46 president of AIEE, in an address, "Engineers Face Their Post-War Problems." Dr. Wickenden, also president of the Case School of Applied Science at Cleveland, spoke last Wednesday at a meeting of the Georgia Society of Professional Engineers and the Georgia Section of AIEE.

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

Atoms and Electricity

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

According to Dr. Wickenden, electricity bears the same relationship to energy that money does to wealth. It is just a convenient method of transferring and utilizing energy efficiently and safely.

Rush Week Climaxed With 231 Pledging

Singers to Aid War Bond Rally

To Present Another Operetta Soon

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

The Glee Club, which is rapidly approaching its pre-war size, will take part in the program and sing a number of songs. This will be the second public appearance for the Tech singers, their first being at Agnes Scott where they gave the opera "Martha" in collaboration with girls of some of the local schools.

Following up their appearance at the Bond Rally the Glee Club will return to the Fox for a week's engagement sometime in the very near future. Also they will make another appearance to the Agnes Scott campus, where they, together with the Glee Club from Scott will put on the operetta, "The Pirates of Penzance." Further engagements for the Glee Club are being planned, but as yet no definite details have been given out.

—GST—

Secretary Of AATCC To Attend Mon. Meeting

The Ga. Tech student chapter of the American Association of Textile Colorists and Chemists will meet Monday afternoon at 5 o'clock in the testing laboratory of the Textile Engineering building. All students who are interested in textiles, and new freshmen who have not yet chosen a specific engineering course, are urged to attend.

Mr. Griffin, secretary of the southeastern section of the association, will be present at the meeting to elaborate on the purposes and functions of the organization.

The faculty advisers of the Ga. Tech chapter are Professors Jones and Dickert.

—GST—

BRIEFS

A demonstration of machine tool operations staged by blind operators will be staged on the first floor of the ME building in Major Case's lecture room November 14, 15 and 16 from nine to twelve A. M., it was learned today. Everyone is invited to attend.

—GST—

The editorial staff of the *Technique* will meet Monday night at 6:45 in the YMCA. All members are urged to be present.

—GST—

Students! Make your letter writing easier by sending home a copy of the *Technique*. A subscription blank may be found on page 6.

—GST—

Attention Freshmen! Watch the pages of the *Technique* for date and rules of the annual Freshman Cake Race.

SAE, Sigma Nu Lead Others

The feverish activities of rush week were climaxed last week-end by the beginning of pledging. The twenty fraternities on the campus announced that up until press time they had a total of 231 pledges out of 460 first term freshmen. Some of the fraternities were still pledging last week, so the lists given here are not necessarily complete.

Sigma Alpha Epsilon led the field in number of pledges with 30 new men. Sigma Nu was second with 19 and Alpha Tau Omega and Sigma Chi followed with 18 each.

Pledges Listed

The fraternities and the men they had pledged up till last Wednesday are as follows:

Sigma Alpha Epsilon: Dan Beall, Rensie Coleman, Pup Phillips, Leroy Springs, Sam Hunter, Mack Johnston, Earoll Roebuck, Bob Hauser, Charlie Bobo, Tom Arnold, Ernest Price, Ollie Haynes, Hank Klosterman, Bob Pennington, Tom Daisley, Harry Holomon, Jimmy Chapman, Lloyd Mielenz, Lloyd Baxter, Jewette Richardson, George Hawthorne, Richard Bryan, Pip Meyers, Joe Bergen, Bill Hendry, Bob DeBorde, John Cronin, Coalie Whitaker, Fred Stuart, and Wallace Revis.

Sigma Nu: J. H. Berner, K. F. Tulisalo, W. C. Schwartz, R. F. Engerman, Archibald Little, J. J. Blonsick, Vernon Frank, Tommy Sauls, M. C. Harvey, Bill Tupman, C. L. Pierce, E. G. Chandler, Louis Russel, Whitey Mueller, Paul Rupert, G. R. Chestnut, F. C. Davis, R. E. (Continued on page 3)

—GST—

Students Are Urged To Check PO Boxes

The Personnel Office this week reminded all students to check their post office boxes at least twice daily for the next few weeks to be sure of getting any long distance calls, telegrams, or special delivery letters that may come for them. This is necessary because the records in the Personnel and Registrar's Office are not yet complete, and the post office is temporarily the only method of locating many men.

Students who have not yet supplied the Registrar's Office with their local address and telephone numbers are urged to do so as soon as possible.

—GST—

Recks To Sponsor LSU Pep Rally

The Ramblin' Reck Club will sponsor a pep rally Thursday night at 7:30 in the gym in preparation for the L.S.U. game next Saturday. The cheerleaders will lead the group in songs and yells to be used at the game.

All upperclassmen are urged to make a special effort to attend the rally, and freshmen are reminded that they must attend. It is suggested that students bring dates to the rally.

THE Technique

"The South's Liveliest College Weekly"

Published every Saturday by the Students of
Georgia School of Technology

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Cooperation

Instead of improving, the traffic situation in the postoffice between classes seems to get worse by the day. We realize that the congestion is unavoidable to a degree, but a little cooperation from the student body will help to relieve it.

We have noticed a number of students, particularly freshmen, stopping in the center of the passageway to read the bulletin board. It is well to read the bulletin board and to keep up with current campus activities, but doing so during the short period between classes blocks traffic. Read the notices later in the day or at some time when there is no crowd in the post-office.

If the trash can located in the postoffice were moved to a different location, another stumbling block would be removed. A door to the outside through the north wall would also help to eliminate the crowded condition. Until it is possible to move the postoffice to a more suitable location, we will have to make the best of what we have. Everyone can get his mail in the morning and no one will get hurt if the crowd will just keep moving and every student think of the other man's rights as well as his own.

Cheerleaders

One of the things which adds color to football games and makes students feel proud of their school is snappy looking cheerleaders. Tech's yellors have done a good job of leading cheers at the games, but if they were decked out in the gold and white they could get a lot better response from the student body, and, at the same time, make a hit with friends of the school sitting in the stands.

Other colleges send cheerleaders to Grant Field dressed in the school colors. This gives them an official look, makes them feel more responsible to their job and gives the student body an urge to follow them in yells.

Of course, there is no better incentive for a student body to yell than a beautiful coed dressed in the school colors straining her vocal chords for the dear old alma mater. Tech can't have the coeds, but if it would furnish uniforms to the capable staff of cheerleaders, it is certain that the student body would be more inclined to yell and friends of the college would be more impressed.

Clean Up

The school is doing an excellent job of keeping the grounds and buildings cleaned, and in the face of a number of difficulties. No one cares to work in a dirty atmosphere and everyone should be willing to do his share toward keeping a clean school.

Our only complaint with the job the school is doing is the burning of leaves on the grass and walks. The fires destroy the grass and the ashes certainly don't add to the campus. Would it not be possible to remove the leaves and burn them elsewhere?



By the Staff

Laughs in chow line: "Richy" and Koelliker telling Travis how to handle females—Latin-American boys in heated arguments (what they're talking about is YOUR guess!)—Freshmen whistling at campus belles—Then the loud groan when the steaks give out and spaghetti is served!

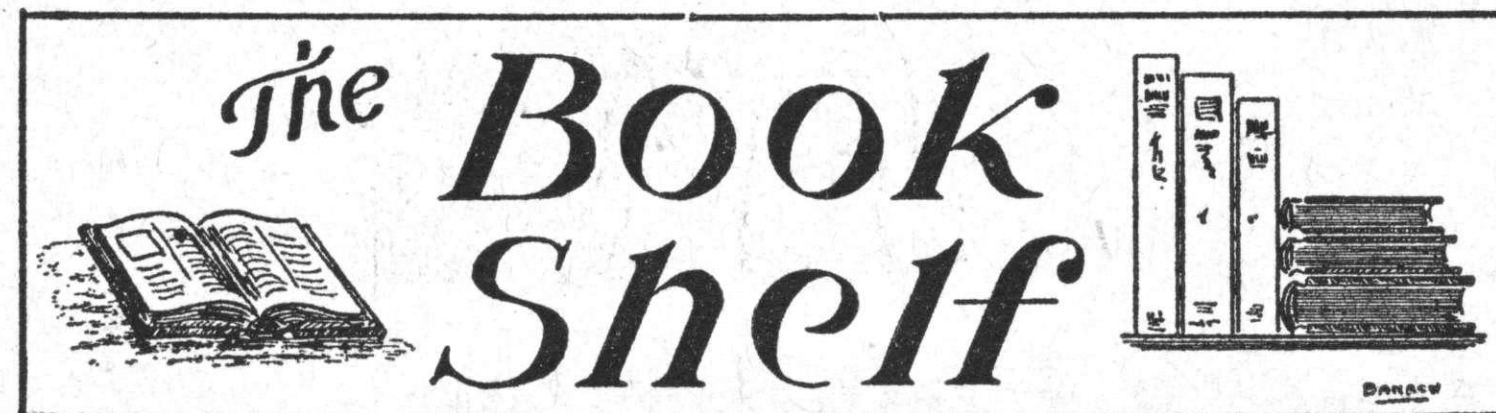
Walter Anderson slept from 6 till midnight while his super flame singed the town with somebody else—combustion troubles? And who were those guys the firemen (accidentally?) squirted during the Halloween blaze?

Frosh Moreton, pink from shower, giving lengthy strip show for 3 gals who gaped as he searched for his pajamas! Ask Dean Callahan about that married woman and her beautiful GREEN DRESS—

Dawson now recognized as a connoisseur of fine gins—since he turned up with a bottle which read "Made in Chile. Bottled in Atlanta. Guaranteed not more than 3 days old!" If he's not chicken, the R.O. who was mistaken for "Smiley" will let this hint pass—he's G.S. Who was the lucky guy riding the Agony Spot dormitory elevators at midnight?

Ask Do Patch about the gal who recently announced that she had put lipstick on him "lots of times." L. K. Smith returned from leave with a huge shiner, but Noel Turner's leave experiences just aren't printable!

Picha—beaming over new photo. Developments? Better check that new campus character who rushed in an upstairs door to the pool and gasped, "So this is where they swim!"



By Mrs. J. H. Crosland, Librarian

There are many new books in the library which you will find interesting. There are three which will be especially interesting to those who like history. The second volume of the *Album of American History*, by James Truslow Adams, has just been published and is just as fascinating as the first volume. Mr. Adams, a well known student of American history, intended for these volumes to tell the history of America through authentic pictures made at the time the history was being made. The pictures were obtained as the result of far and wide searches in museums, libraries, and private collections. A great deal of material was found and has been put together with only a running thread of text.

A panorama of the times is presented, showing representative homes and occupations not only of the wealthy and prominent, but of the poor as well. What kinds of clothes did our forefathers wear? What utensils and tools did they use and what kinds of work did they do? What did their homes look like outside and what were their inside

furnishings? If you have ever asked yourself any of these questions, you can spend some very pleasant hours with these books.

The first volume covers colonial history and contains one whole chapter on Georgia and South Carolina. The second volume covers the period between 1783 and 1853, picturing the new nation, Jeffersonian democracy, and finally the discovery of gold in California. These books really have to be looked at to be appreciated.

In *The Age of Jackson*, by A. M. Schlesinger the years between 1829 and 1837 come to light; its idealogies, controversies, and great personalities. It begins with the end of the Jeffersonian agricultural era, goes on to the slow but inevitable rise of industrialism. We see the development of the Workingman's Party, the Whig Counterreformation, the relation of Jacksonian democracy to law, industrialism, and the intensity of sectional disputes. Jackson, Van Buren, and many other prominent figures lived amidst issues which are very much like those of our own day.

VETS QUESTION BOX

By Charles Schneider

In subsequent issues the TECHNIQUE plans to inaugurate a service column for veterans. Tech veterans are asked to submit questions, moans, groans, and the like.

An earnest attempt will be made to give an authoritative answer to all questions submitted, and all letters of complaint or suggested change will be published if possible.

At the present time there are two organizations on the Tech campus which are exclusively for veterans.

The Georgia Tech Veterans Association is closely affiliated with the school and submits a report to the Dean's Office each semester. The main purpose of this organization is to aid the veteran when he arrives at Tech and throughout his stay on the campus. There are usually several social functions given by the organization each semester and a swell time is had by all.

The Veterans Association also sponsors a scholarship award for the veteran in each class who maintains the highest average during each semester.

All veterans are urged to join the association, and to take advantage of the opportunities which can be had if we work together in close harmony.

The other organization on the campus open to veterans is the Georgia Tech Post No. 177 of the American Legion. This is the largest post in Georgia made up entirely of World War II veterans. The American Legion is an organization of known worth. All Tech veterans are cordially invited to become members of Post No. 177.

Vets! Let's "get on the ball." Send those question-letters — and suggestions for naming this column to Post Office Box 67.

GREEK GOINGS - ON

By Bob Cowling

As is the case with several of the other columnists in the TECHNIQUE, your columnist is new to the pages of the paper. However, the idea of this type of column is not new. It has been tried several times before. It never has been a success, though, mainly because of a lack of interest on the part of the fraternity men on the campus.

Quite a few men have expressed the opinion that such a column would be a valuable addition to the TECHNIQUE. If this attempt to fill in the gap created by the lack of a particular place for fraternity news is to be a success, all of the fraternity men on the campus will have to cooperate. Let's work together and make it really go over.

We're going to work the assembling of the news in this manner: I have already contacted a man in most of the chapters on the campus, and have asked him to take it upon himself to let me know what's going on in his particular chapter every week. This seems to be the most practical method for handling it.

This seems to be a good time to welcome all of the new men to the campus. It really does help a person realize that the war is actually over, with so many men starting to college, and so many others starting back.

Now that rush week is over, and everybody has nearly caught up with his sleep, we can heave a big sigh of relief, and settle back down.

As I windup on this week's installment, I just want to reiterate: you make the news and get it to me, and I'll print it.

Learn the:

Alma Mater

Oh, sons of Tech, arise, behold!

The banner as it reigns supreme,
Far from on high the White and Gold

Waves in its triumphant gleam.
The spirit of the cheering throng
Resounds with joy revealing

A brotherhood in praise and song,
In memory of the days gone by.

Oh, Scion of the Southland,
In our hearts you shall forever fly.

We cherish thoughts so dear for thee,

Oh, Alma Mater, in our prayer,
We plead for you in victory,

And in the victory we share!
But when the battle seems in vain

Our spirit never falters,
We're ever one in joy or pain,

And our union is a lasting bond.
Oh, may we be united

Till the victory of life is won.

Georgia Leader In Vets Housing

Tech Architect's Home Cited

Georgia, the State of beautiful homes, through its architects and the Department of Architecture at Georgia School of Technology, is one of the leaders in designing and developing plans for post-war homes to house the thousands of married couples who want to set up house-keeping, according to an article, "What Will the Future American Home Be Like?", by Jean Austin in the November 1945 issue of the magazine, THE AMERICAN HOME.

Described and pictured in the article are representative new homes in Georgia, Illinois, Rhode Island, Arizona, California, and Florida. In Georgia, the new home of Richard L. Aeck, architect and member of the Georgia Tech staff, has been selected. Special mention is made of the fact that despite material shortages, the home is well built, comfortable and blends in with the natural beauty of its location on the Chattahoochee River in Atlanta, Georgia.

—GST—

Stevens Elected President Of AICHE for Term

Jimmie Stevens has been named president of AICHE for this term. Other officers who will serve with him are Capers Rice, vice-president; Phil Sydow, secretary; and Justin Armstrong, treasurer.

Meetings will be held at 6:30 on Thursdays in the CHE lounge rather than in the YMCA. Plans for the semester will be discussed and a program outlined at the first meeting.

Pledges—

(Continued from Page 1)

Ramsay and G. J. Meyers.

Alpha Tau Omega: B. J. Anderson, Julian Arnold, Dewey Bell, Lloyd Brannen, Roy Branch, Wally Crouch, Frank Hought, Horlo Hunter, Dick Johnson, Grady Jones, Tommy Jones, Bill Newton, Bill Olliff, Phil Phillips, Bob Smith, Charles Thomas, Pope Watson, and Charles Wharton.

Sigma Chi: R. H. Patton, F. C. Garrad, Robert Johns, D. L. Alley, B. G. Howe, G. E. Puett, R. M. Lupo, Thornley Jobe, F. B. Milstead, W. F. Cecil, S. F. Williams, Sumner Gurney, W. G. Dunn, H. M. Todd, William McTeir, Bill Boyd, J. F. Dwiggins, and G. B. Bates.

Phi Delta Theta: Paul Figue, Jack O'Keefe, Murray McQuaid, Earl Heard, Tim Darrett, Frank Dixon, Allan Pellet, Thirston Hatcher, Bobby Smith, Hamp Davis, Howell Hunt, Edgar Mallory, "Mouse" Echols, Richard Sewell, Gordon Clay, Lee Keller, and Adrian Gantt.

Chi Phi: Harry Aike, J. R. Walters, Judge Ellisen, Billy George, Albert Spitzer, Ashby Goldson, Charlie Currie, J. H. Daniel, Bill Rudolph, Roland Nelson, Chuck Reed, Mark Thomas, Jim Gould, Buddy Proctor, Bobby Marsden, and Charles Weidinger.

Beta Theta Pi: J. O. Beeson, L. N. Bunce, G. J. Cooper, R. D. Davis, R. D. Domingus, G. G. Gale, J. S. Golder, F. A. Gordon, J. L. Hallman, L. W. Hill, C. V. Holton, G. E. Jones, B. F. King, M. W. Oglesby and E. A. Schofield.

Delta Tau Delta: Billy Roberts, Walter Kruger, Houseal Gay, Tun Browder, Jake Harrington, John Cochran, Bob Bridges, Don Braidwood, Morris Corey, Harry Pierce, Billy Stevens, Tony Nuney, Paul McMahan, Steve Ross, and Dal Handrop.

Kappa Sigma: Carl Branson, Ted Clayton, Colvin Franklin, James Lyness, Robert Mandeville, Robert Mills, Walter Mink, George Roberts, Paul Smith, James Stallings, John Stoutamyer, Robert Wells, Herbert Wiley, and Bob Zimmerman.

Pi Kappa Alpha: Roger Benton, F. L. Brittain, W. E. Cheves, W. A. Clark, Duane Endicott, J. B. Goldman, Jerry Hawkins, E. J. Lowery, H. W. Lowery, H. J. Mills, M. S. Sullivan, and James R. Wrath.

Lambda Chi Alpha: Willis Gordon, Bill Knight, Lee Hunter, William Bacon, Joseph Jackson, Tommy Austin, Pete Wright, Bill Doro, Joe Arnona, Russell Phillips and Jack Johnson.

Kappa Alpha: B. M. Meyers, J. W. Page, Eugene Horne, J. W. Lankford, Judson Scott, J. R. Joseph Knight, L. B. Leonard, Benson Maddox, F. R. Ranton, Albert Walters and Jack Gillon.

Phi Epsilon Pi: M. B. Goodman, G. H. Klein, Bertram Warsaw, and S. W. Sobee.

Phi Kappa Sigma: Neil Akerman and Bill Taylor.

Phi Gamma Delta: Bob Richards, John Collins and Troy Norwood.

Delta Sigma Phi: Pete Kalcos and Paul Teel.

Theta Chi: John Joris and Clyde Nolan.

Sigma Gamma: Joe Rives, Hershel Elkon, H. M. Cohen, V. L. Cohen, J. W. Baros, L. L. Baratan, I. B. Miller, E. M. Yakin and Julio Weinstock.

Tau Epsilon Phi: George Levitt, Leon Lebowitz, Norton Klipstein, Joseph Spector, Seymour Shankman, Julio Topp, and Bernard Tack.

Sigma Phi Epsilon: C. J. Armstrong, W. E. Escrow, J. J. Russell, Ray Madden, H. W. Crouch, and J. R. Hastings.

MacMahon Killed On Duty In Japan

While in the performance of duty, Private Harry C. MacMahon, a former student of Georgia Tech and resident at 646 Williams Street N.W., Atlanta, Ga., was killed on October 7, 1945, at Osaka, Japan. Private MacMahon was working on electric power lines in Hamedera Park, Osaka, Japan, where his unit, Company C, 29th Engineering Combat Battalion, was located, when through an accident he received a severe electric shock that caused his immediate death. Burial took place the next day, October 8th, at the USAF Cemetery Wakayama No. 1 at the city of Wakayama, Honshu, Japan, after military honors were paid by officers and men of his battalion.

Private MacMahon's father is F. R. MacMahon, an official of the United Fruit Company, with offices in Havana, Cuba.

—GST—

165 Aviation Cadets Enrolled for Term—Strite

Captain Robert Strite revealed today that the Navy now has 165 V-5 trainees enrolled in Tech. Of this number, 59 are direct from civilian life.

Most of these trainees have not had any previous college work and few, if any, have had over one or two semesters.

Captain Strite also revealed that he expected to have all of the new men in uniform by the end of the week.

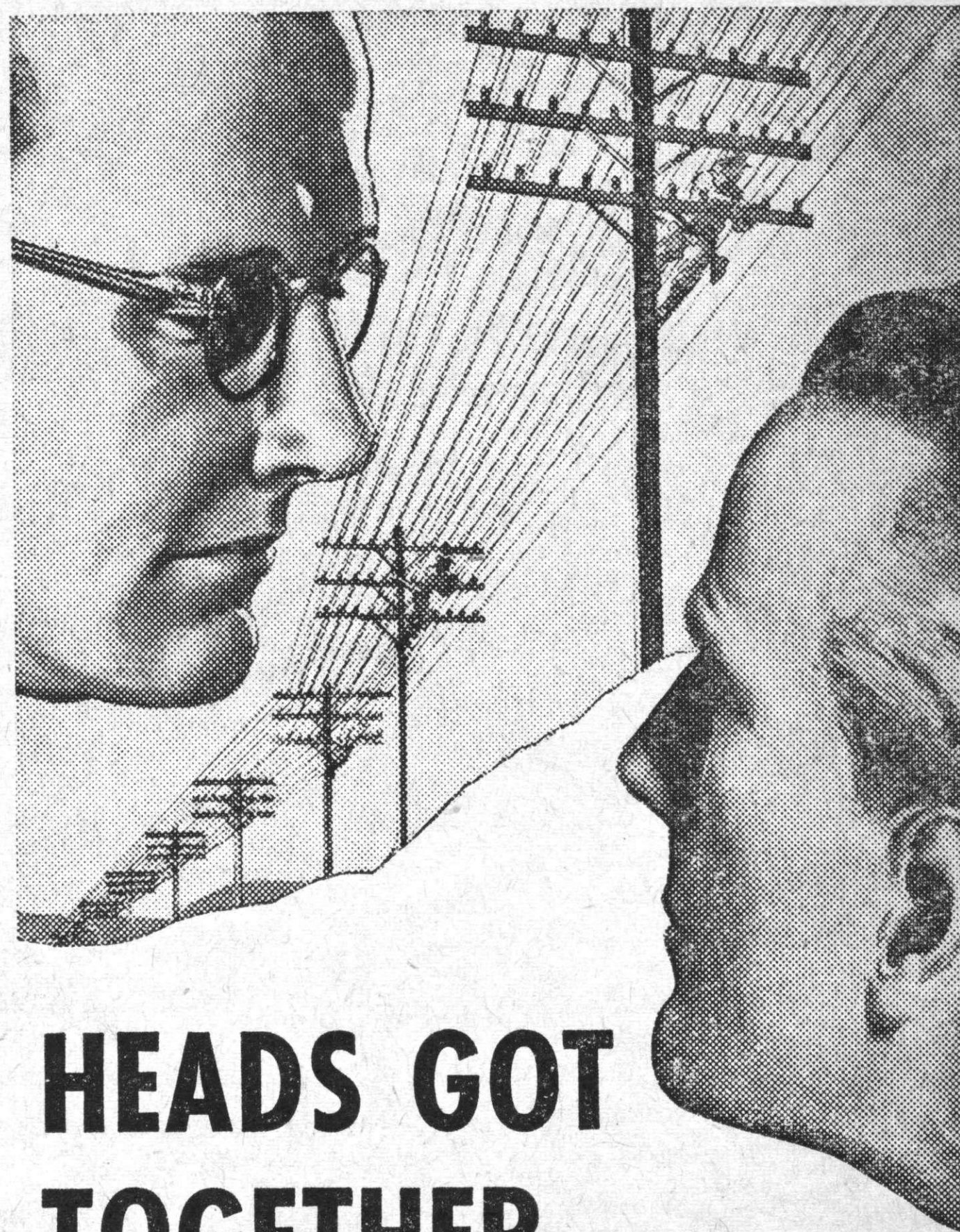
Henika—

(Continued from Page 1)

to derail the cars.

One day a group of "Wrecks" riding out Luckie Street distributed themselves on the front and rear platforms of one of these four-wheelers and by rocking it back and forth succeeded in making it jump the track. Several attempts were made to lift the car up with jacks, but the

frame and wheels would remain on the ground each time, since they were only loosely connected to the body. Finally a twelve year old boy suggested to the workmen that they set the brakes and try again. They did this, and were successful in getting the car back on the tracks. The brakes were attached to the body and when clamped around the wheels forced the frame to come up at the same time the body of the car was lifted up.



HEADS GOT TOGETHER

RESULT: MORE TRANSCONTINENTAL TELEPHONE CIRCUITS

With wire scarce and wartime calls increasing, telephone engineers made existing pairs of long distance wires carry nearly four times as many calls as before. This was done through installation of additional carrier equipment, requiring closer spacing of the wires on the line and transpositions at shorter intervals.

Three pairs on the Southern Transcontinental Route were rearranged, and in a 430-mile section this had to be done while keeping the urgently needed wires in service all the time. To do this, new tools and new methods had to be devised in the laboratories and on the job.

This is another among many examples of how Bell System teamwork and engineering skills maintained telephone service under wartime conditions.

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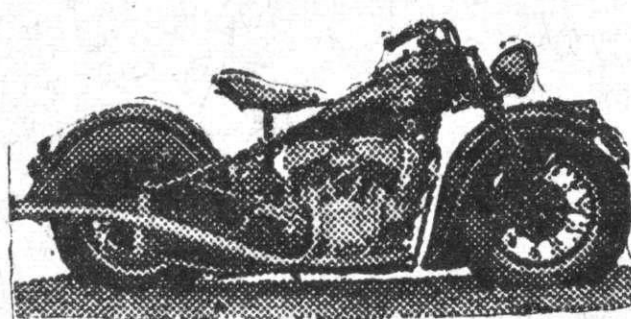
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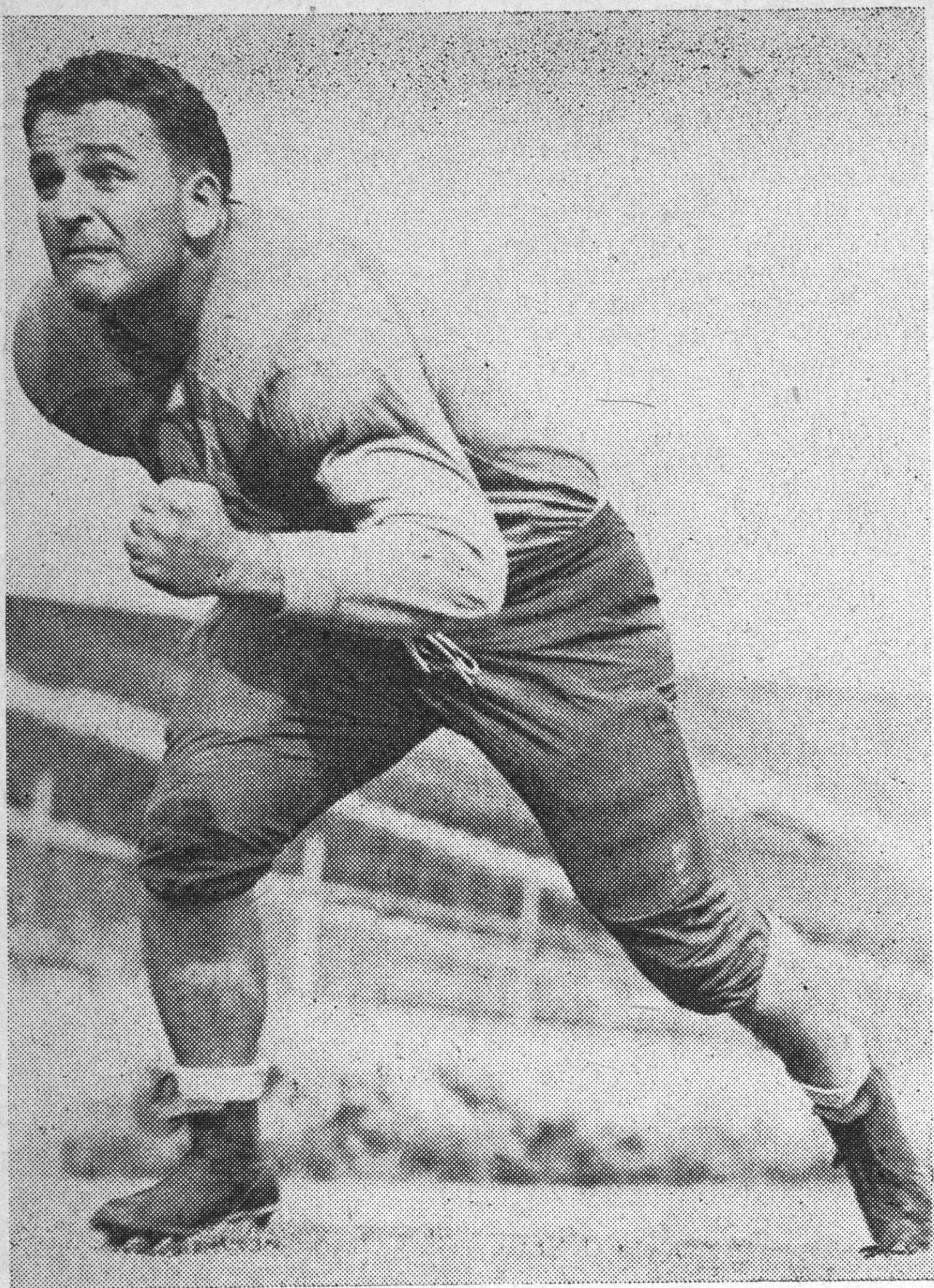
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Leroy Schneider, aggressive 230-pound Tulane tackle, will lead the big Green forward wall against Tech today. A letterman in 1944, he hails from Baltimore, Md.

Tech Takes On Green Wave In Feature SEC Battle Today

Harriers To Seek First Victory Today

Georgia Tech's harriers, who will be seeking their first victory of the season, go up against the cross country squad from the University of North Carolina this morning in Chapel Hill.

The team, coached by Monroe Plaxico, left for the Tarheel state last night and are expected to arrive back in Atlanta tonight. Coach Plaxico has announced that he will run seven men against the Carolinians, and it will be virtually the same team that ran against Duke last Saturday. Possible starters are Walker, Bailey, Uptegrove, Davies, Cusack, Jongedyke, Gross and MacPherson.

The Yellow Jackets, partly hampered by loss of two weeks practice between semesters, were no match for Duke last week and were defeated 41 to 18. The winner of the meet is the squad that acquires the least number of points, which explains why Tech lost with 41 points. Davies of Duke came in first, and Walker finished the course in 14:11, which is believed to be the fastest time ever run here at Tech and is the course record. Bailey and Uptegrove were the next two Tech men to bring the Gold and White across the finish.

After the North Carolina meet today the Yellow Jackets run against two conference foes prior to the SEC meet that will be held November 30. The Techsters go down to Gainesville to face Florida on the 17th, and then on the following Saturday they journey over to Alabama to meet Auburn. Coach Plaxico will carry his charges over to Birmingham to participate in a Road Race through that city on December 8.

Tankmen Slate Winter Meets

Coach Freddie Lanoue announced Thursday that four meets have definitely been scheduled for the swimming team this season, and negotiations are under way for at least three more. Duke University's tankmen will be here for a meet on January 12, and the Georgia Tech squad will journey to Durham on February 1 and 2 for a return meet with the Blue Devils and the Southern District AAU meet.

On the second week-end in February, Georgia Tech will be hosts for the annual Southeastern Senior AAU meet, which will include one and possibly more junior national championship events. This is the first time Tech has been selected to hold this important meet.

Swimming practice is continuing, with more emphasis on conditioning than time. Rial Rolfe of last year's team and Billy Brock of the 1942 team bolster Tech's hopes in the 220 and 440, but the short distances are wide open.

—GST—

Thanksgiving Day Date for Cake Race

The annual freshmen cake race will be held at 10 A. M. on Thanksgiving Day, George Hills president of the Bulldog Club announced yesterday. All physically qualified freshmen must participate, with the winner receiving a plaque and several of the runners-up getting cakes.

Particulars as to meeting place, number of prizes to be awarded, and distance will be announced next week.

Reserves Named Probable Starters

The Yellow Jackets, resplendent in new gold and white uniforms, will trot into vast Sugar Bowl stadium solid favorites to win their second Southeastern Conference victory this afternoon by beating Tulane's up-and-down Green Wave. Coach Bobby Dodd is sure enough of the skill of his charges to name the second team as starters, with the veteran first team enjoying the kickoff from the sidelines for once. An excellent crowd is expected to fill most of the big double-tiered bowl which holds more than 70,000 people.

Maroons Upset

After a slow start, Tulane surprised the football world last week by upsetting unbeaten Mississippi State 14-13, and they are expected to show a flashy attack with passes aplenty. Long runs by Green backs Bonowetz and Rideout and passes by Ernie Crouch proved the Maroons' downfall last Saturday, and Coach Dodd will have his first team ready to rush in should the second stringers be unable to stop Tulane's big guns.

Coach Dodd announced early in the week that he would start his reserves in this game, both to give them much-needed experience and to rest his regular starters, most of whom have averaged better than 55 minutes of play in every game this year, except the Howard game. In making this announcement he pointed out that it would be impossible for those regulars to play a full game this time because of the high humidity down there, which is very tiring to a football team not accustomed to it.

Tech Winner

The last time Tech played in the Sugar Bowl stadium they won, but it was Tulsa, not Tulane, which lost 20-18 on that New Year's Day, 1944, with Eddie Prokop of the White and Gold completing pass after pass. Last season the Green Wave was beaten 34-7, despite their classy halfback, Dub Jones, and in 1943 the Yellow Jackets won, too (33-0), but Tulane has won the majority of games in the series in recent years. Tech leads 7

(Continued on Page 6)

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CALCULATIONS . . .

By Cal Winton

The TECHNIQUE has said goodbye to alternate-captain Johnny McIntosh three weeks in a row now, and he obligingly plays like every game is his last one. The fact is, Johnny Mac is using his precious leave in playing for the Yellow Jackets and will be around through the LSU game. Probably the most underrated man on the team, he plays like a real champion, carrying the ball when that extra yard or two is needed, taking out backers-up with ferocity, hitting runners like one of General Patton's tanks. Watch him against LSU. Here's to you, Johnny Mac, a mighty good man to have around when the blue chips are down. Stay with us as long as you can.

* * * *

Perhaps the first big international sports event to be revived will be the Davis Cup matches for the world championship in tennis. Predictions are in order that Frank Parker and Billy Talbert, finalists in the U. S. championships this year and last, will lead the U. S. team, supported by Gardner Mulloy, and possibly that famous old doubles duo, Jack Kramer and Ted Schoeder. The finals will be played in Melbourne with the defending champions, Bromwich and Quist of Australia, back to defend their title. Unless they have slipped a great deal during the war years, they should repeat with ease. Don't start fretting about it yet, however; the finals won't come until December of next year.

* * * *

Passers come and passers go, three or four of them each year labelled "the greatest of all time" by enthusiastic local sportswriters, but a great many of the really big boys are agreeing these days that the old Texas Christian star, Sammy Baugh, is the all-time tops. His leadership in the National Pro League in passing, year after year, is coming to be as commonplace as Don Hutson's leadership in pass receiving. All of which brings us to a familiar story, lately retold in the New York Times, about Baugh's tryout for a pro job, 'way back in '37. Seems the coach was explaining a complicated pass play to Baugh and ended with "and then you turn and throw that ball and hit the end right in the eye." The lanky Texas was silent for a moment and then drawled, "Which eye?"

* * * *

Because of intervening leave we neglected to mention the excellent swimming smoker put on at the end of last semester by Coaches Lanoue and Keyes, and Specialist Charlie Parker. A large crowd of students enjoyed the show which included a number of interesting acts. Tops in popularity were Parker's hilarious comic dives and the precision swimming exhibition by several beauteous girls from Agnes Scott. More swimming smokers are promised in the future.

* * * *

The Yellow Jackets are coming out of their drab old gold uniforms today (if it doesn't rain) and we gathered from an interview with Coach Dodd recently that this change will be permanent. The new uniforms are plenty natty, make no mistake. Gleaming gold satin pants, white jerseys with gold numerals and gold bands around the arms, all call attention to the snappy brand of football played around here. Next year gold helmets will be added and Georgia Tech will be right in the running for "best-dressed football team."

* * * *

The question of the football year is "Who's gonna stop Army?" Every week the answer seems to come clearer and clearer from the press of the country, "No one." Given a muddy field and just the right psychological conditions and Navy might do it. But after looking at the movies of the Cadets over Duke and Michigan, it is hard to conceive of any college team stopping the rampaging Army machine. Glenn Davis has taken somewhat of a back seat to the mighty Blanchard this season, but his tidy average gain of 14.5 yards per try for the games thus far gives you something to think about. If you don't think he is the fastest back in football today, take a look at the pictures of the Michigan game. Anyway, given a dry field or a wet field, Notre Dame should consider three touchdowns by Army a moral victory.

* * * *

All the talk about the paucity of injuries around the Flats this year sets Coach Dodd to looking for some convenient wood to knock on. In games with such big, rough playing teams as Notre Dame, Navy, and Duke, it has always been the opponents carried off the field. This is a tribute to the toil of Trainer Sandelin and his assistants, and to the wise policy of Coach Dodd as to conditioning.



Arthur Murray Announces The Opening of Classes for Tech Students

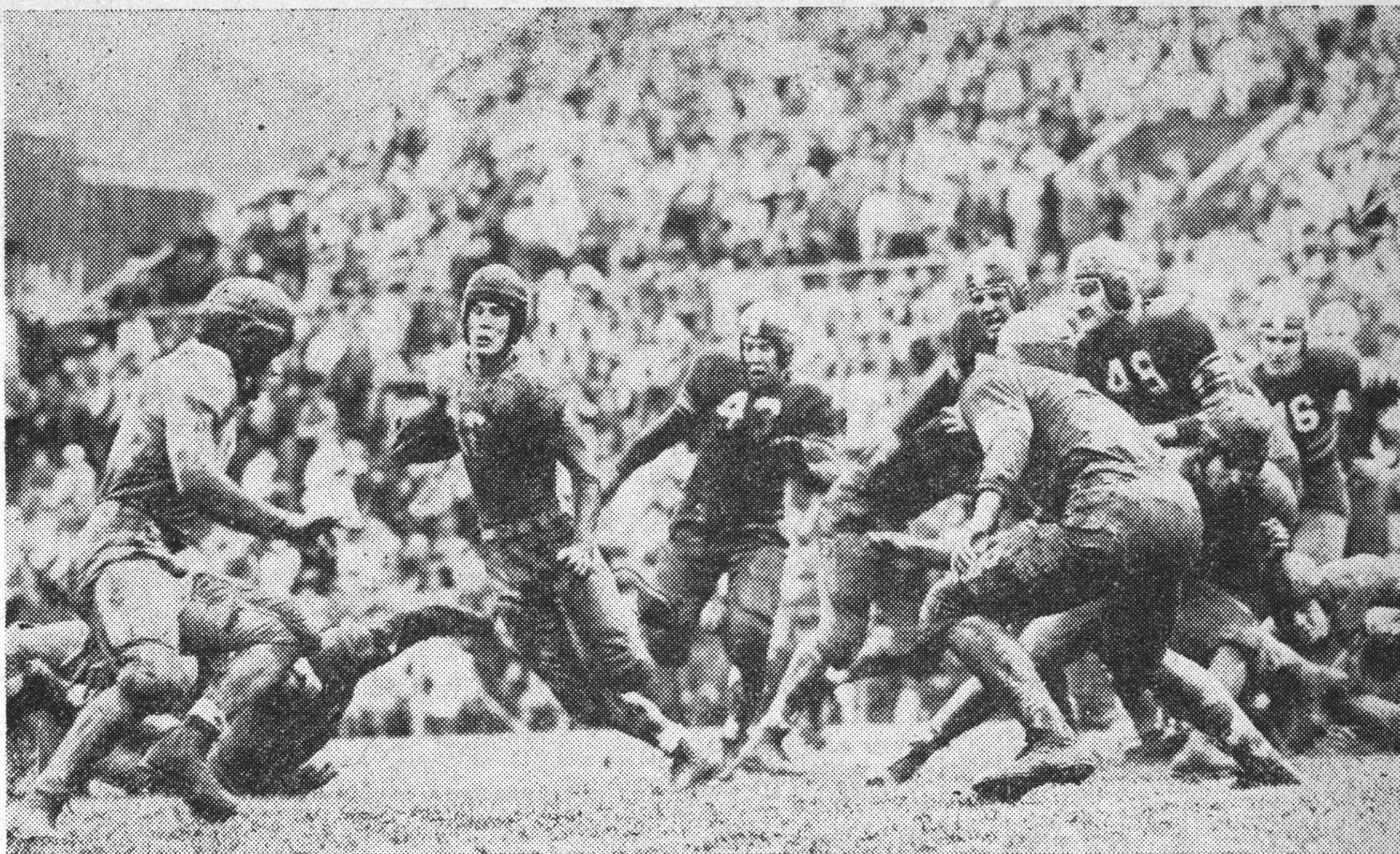
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MATTHEWS GAINS



Tech's fleet left halfback, George Mathews, goes off tackle for a good gain in last week's game with Duke. Shackled by a sloppy field, the Jackets were unable to get their T formation rolling and lost 14-6, though they led the Blue Devils in first downs and ground gained. Note the size of the Duke linemen, heaviest in the South.

Practice Starts For Grapplers

Some 20 men turned out this week for the opening practice session of the varsity wrestling team under the direction of Lt. Comdr. Lloyd A. Moll. Basic holds and calisthenics were featured in the first workouts, and a practice match with Tech High's squad has been scheduled for next Thursday, November 15.

Home and home meets are being negotiated with Duke University, North Carolina and Auburn. If sufficient material is found, two squads of eight men each will be taken to all meets.

A definite shortage of competitors for the lightweight positions was attributed to the belief that practice was open to Navy trainees only. It was emphasized that all students are eligible and all positions open.

—GST—

The longest recorded field goal of 63 yards was made on a drop kick by Mark Payne of Dakota Wesleyan in a game with Northern Normal.

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Football Band Drilling For Surprise Exhibition

The Football Band will put on an unusual and original program at the L.S.U. game on November 17, Joe Ireland, manager of the band announced this week. After marching on the field, Ireland said the band would promptly quadruple interest in the program. To find out what he means, see the L.S.U. game!

The Clemson crack drill platoon will perform at the half of the Clemson game on November 24. This Clemson organization has become famous for its precise drilling and maneuvering. The Tech band will also perform. Its presentation will be centered around a weaving maneuver designed to appear as a seething conglomeration of

individual movement.

On December 1, the date of the long awaited clash with the Georgia Bulldogs, the Ramblin' Recks Club will sponsor the annual Ramblin' Wrecks contest. The contest will feature each fraternity's version of the true Ramblin' Wrecks. A car, or the remainder of one, capable of being pushed around the track and well decorated with signs, umbrellas, little brown jugs and similar items is the usual conception.

An attempt is being made to present the combined Georgia and Georgia Tech bands at the half, but no further information on this is yet available.

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Contemporary Clippings

By Joe Pettyjohn

Down at the University of Georgia this week a champion second only to Trippi was announced. She, the new champion, is a prize Guernsey cow who copped two royal purple ribbons for being the Senior and Grand Champion Guernsey female in the live stock show at the Southeastern World's Fair here last week.

* * *

Emory psychologists have reached the conclusion that Superman of comic book fame is a Nazi. "His methods of defeating ill doings closely resemble the methods of Hitler and Mussolini," declare the pros. The comic strip "Lil Abner" was classed as "sexy and synthetic pastoralism" done with "manifest cleverness."

* * *

"That's the guy I'm laying for," said the hen as farmer Jackson walked into the barnyard.

* * *

A certain brewer sent a sample of his beer to a lab to be analyzed. A few days later he received a report from the chemist—

"Dear Sir: Your horse has diabetes."

* * *

Breathes there the man with soul so dead who's never turned his head and said, "Not bad!"

* * *

"Oh dear, I've missed you so much!"—and she raised the revolver and fired again.



A FEW REASONS WHY
RUSHEES PLEDGE—

No Haggard Looks Yet

Sideways Wanders Off With Canine Companion

By Ken Houck

The distracted friends of "Sideways," orphan daughter of a mysterious Atlanta family and heir to a wealth of bones in the Tech dining hall, today have almost lost hope of seeing her again. Despite the cold and rainy weather of recent days little Sideways' many friends in the Naval Unit here have searched un-

tiringly for their missing chum.

She was last seen playfully running through the hall of North Techwood dormitory in company with a tiny friend, and while there has been no specific evidence of foul play, neither Sideways nor her playmate have been found.

Very few clues have been discovered so far. The tiny footprints found at the doorstep of the dining hall raised some suspicion, but the rain had so nearly obliterated them that no definite statement could be made. Police authorities have been constantly on the alert but till now no clues have given them reason to suspect that little Sideways is still alive.

In the absence of kidnap notes that possibility is dubious, but with such a vast fortune in the food industry to be offered as a ransom it is not entirely unlikely that she has been abducted.

Search Continues

Shining Faces, New Rat Caps Dot Campus

By Jim Pearce

Once again the Tech campus is dotted with bright, new rat caps and equally bright, shining Frosh faces. As yet there are no deepening circles under the eyes, or haggard "Friday-math-quiz" expressions on their unsuspecting countenances, and college life is proving most interesting to the newcomers.

Slowly but surely they are learning the broad facts of campus truths, and are beginning to question their earlier impressions. One dark-haired Frosh conversing to a friend in the Varsity said, "You know, I thought fraternity boys were always rough and mean to incoming freshmen, but here they've fed us for a week, patted us on the back, given us their last

smokes, and even lent us their address books . . . why I just had the wrong opinion about frat men."

About that time a none-to-energetic sophomore walks in and yells out, "Scum! I got a big trunk down at the dorm office. Guess who's gonna carry it over to the house?" With this he drags our learned frosh from the counter, finishes his PC, and they disappear thru the door.

Shrunken Shirts, Mismatched Socks

One Frosh was elated to hear that he got his laundry done at half price, but the look of horror on his face when he unrapped his package was amazing. All he got was shrunken, buttonless shirts and mismatched socks.

Another disillusioned soul staggered from the Old Shop building and uttered some famous last words: "I just had a math quiz from Bailey."

And the battered body clinging to a tree outside of the gym remarked, "But Coach Keyes, I can't run around the park six times and take that 'free-exercise' period too." He was soon joined by a member of the swimming PT class. All he could do was gurgle something about hands and feet tied.

Tulane—

(Continued from page 4)
to 6 in games won since the meetings started in 1916.

The Yellow Jacket squad of 39 players and two managers left Thursday night on the train, arriving in the Crescent City Friday morning. After a brief afternoon workout, the squad had dinner at one of the famous French restaurants before turning in at the St. Charles Hotel. They are scheduled to return Saturday night.

Trainer Sandy Sandlin reports every man in top shape for the game, with the exception of reserve halfback Jimmy Olsen, whose ankle injury early in the season has hampered him in workouts this week. Tech has had a phenomenally low number of injuries this season, with not a single first team man being unable to start a game because of breaks, cuts, or bruises.

Probable backfield starters are Billy Williams, Marine dischargee and letterman in 1944, at right halfback; Joe Kelly, civilian freshman, at left half; Joe Basler, Naval ROTC trainee, at fullback, and Bobby Blake, Navy dischargee, at quarterback. The starting line is still uncertain.

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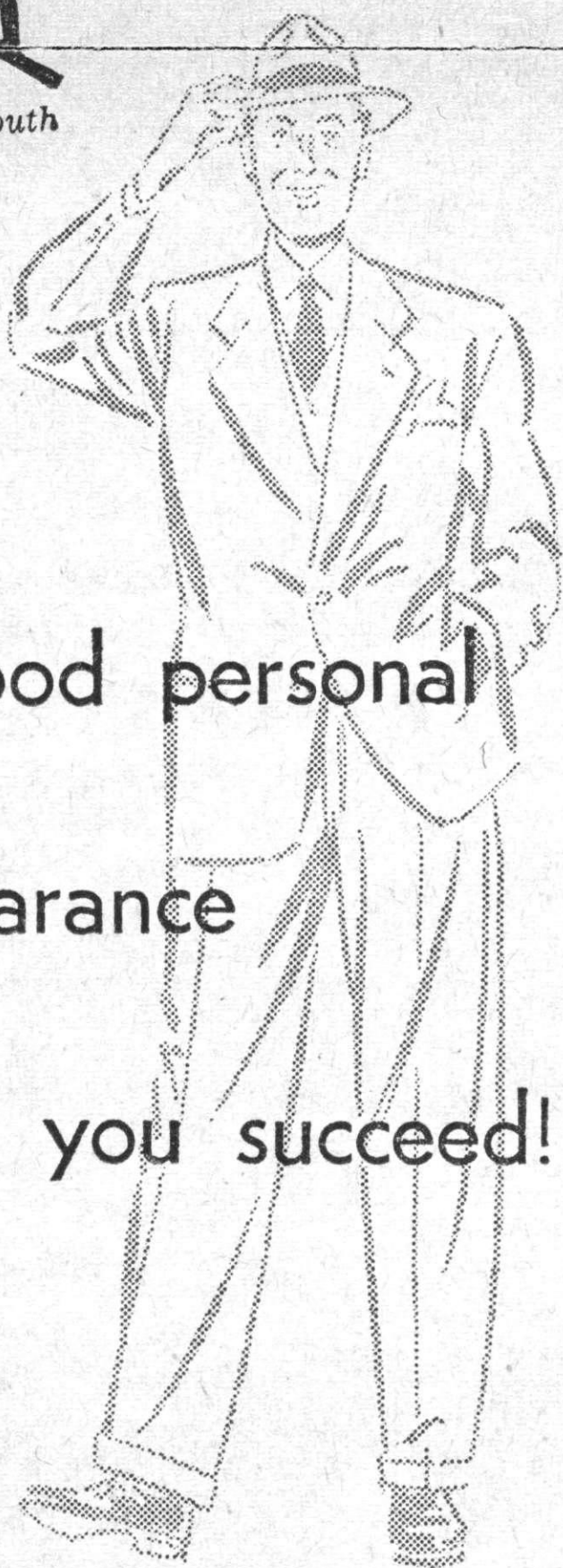
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