

PEP MEETING TONIGHT AT GRANT FIELD!

The Technique

"The South's Livest College Weekly"

Georgia School of Technology

OL. XXIV

THE TECHNIQUE, ATLANTA, GEORGIA, FRIDAY, NOVEMBER 16, 1934

No. 9

PAULK, HOLSENBECK, BEARD, AND NIXON HEAD RESPECTIVE CLASSES

Students and Alumni Celebrate Homecoming

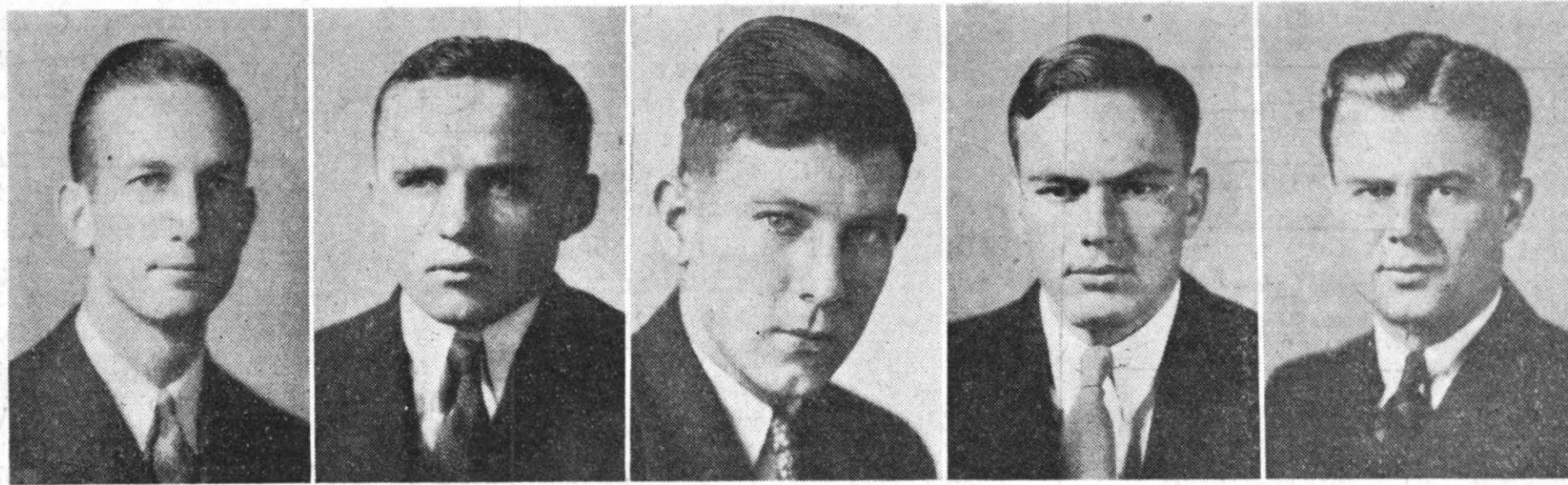
Fraternity Houses Decorated For Occasion

Inaugurating another gala Homecoming celebration the school and the various fraternities on the Tech campus are preparing to greet the alumni and out-of-town visitors when the Yellow Jackets meet the Crimson Tide on Grant Field tomorrow.

Alumni, students, and faculty will participate in the homecoming activities and the school and fraternity houses will hold "open house" for the visitors and visiting brothers.

The alumni secretary, R. J. Thiesen, has planned as one of the highlights of the festivities a homecoming cafeteria luncheon for all alumni and their families Saturday at 12 o'clock in the M. L. Brittain dining hall on Techwood Drive. Members of the faculty and administration offices are invited to attend. The hall will be decorated for the occasion, with designated places assigned for the alumni of the classes represented.

The classes of 1894, '99, '04, '09, '14, '19, '24, '29, and '34 will hold reunions at the luncheon, which will adjourn at 1 o'clock in order to allow every one to get to the game which will begin at 2 o'clock.



W. Paulk, Sr. Pres.

D. Holsenbeck, Jr. Pres.

Dick Beard, Soph. Pres.

Jack Nixon, Frosh Pres.

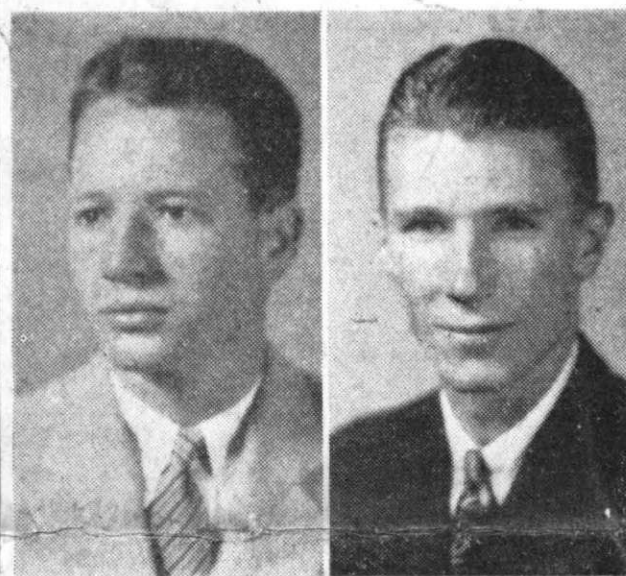
E. V. Johnson, Sr. V-P.

Students Observe Armistice Day

The firing of a three volley salute and the impressive presentation of "taps" began the Armistice Day ceremonies at the Rose Bowl Monday.

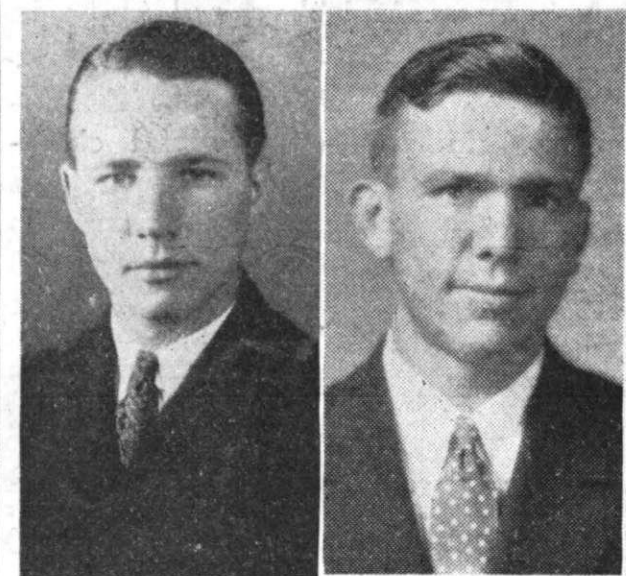
Dr. M. L. Brittain delivered an address of welcome, followed by a talk by Commander Kenneth Murrell on "Purposes of the Legion Armistice Day Services."

Units of the Regular Army, 22nd Infantry, with band; the National Guard, 122nd Infantry, and band; bands of Boys' High, Tech High, Milton High, and Marist College, and the American Legion Drum and Bugle Corps paraded before the grand stands.



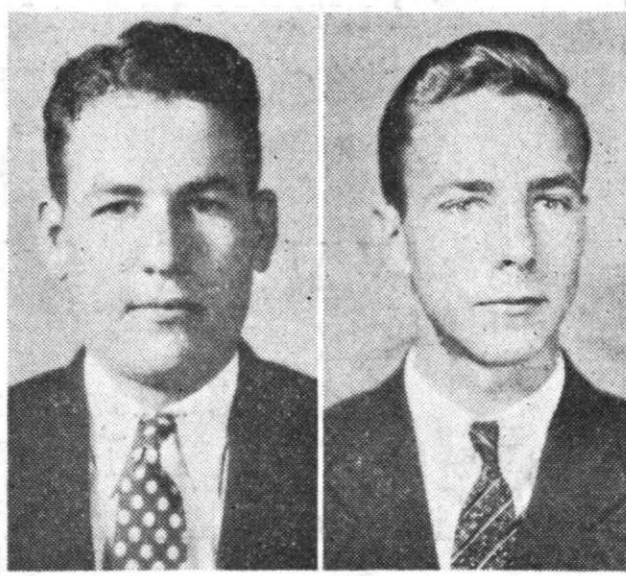
J. Perkerson, Sr. Sec.

C. Kidd, Jr. V-P.



L. Hays, Soph. V-P.

M. Williams, Jr. Sec.



Chivington, Frosh V-P. Bickerstaff, Frosh Sec.

(A picture of Harry Appleby, Sophomore Secretary, was not available.)

"New Deal" Considered In Successful Forum

"Liberty deals with human existence," "The New Deal upholds liberty." Such are but a few of the statements made by representatives of six Georgia colleges at the Tech open forum on "Liberty and the New Deal," held Tuesday, November 12 in the Administration Building auditorium.

Representatives who spoke were as follows: Agnes Scott, Misses Marien Calhoun and Sara Catherine Wood; Brenau, Misses Louise Gray and Virginia Sims; University of Georgia, Miss Jane A. Miller and Herman E. Talmadge; Emory, W. L. Brady and Tom Purdom; Mercer, W. T. Ashmore and Joe Pickard; Georgia Tech, Rayford Kytile and W. A. Oarden.

(Continued on Page 6)

Students Select Class Leaders at Polls

Despite much controversy on the part of possible political set-ups, the final results of the class election was announced today by the Student Council.

Senior Class

Wright Paulk, president, is the president of Pi Kappa Phi and Pi Delta Epsilon, and treasurer of the Inter-fraternity Council. He is also a member of the Student Council, Scientia Club, Kappa Kappa Psi, and Bulldog Club.

Elmer Johnson, vice-president, is president of the Yellow Jacket Club and Captain in the R. O. T. C. Unit.

Jerry Perkerson, secretary and treasurer, is a member of the Student Council, Skull and Key, Scientia Club, and half-back on the football team.

Junior Class

Dan Holsenbeck, president, is a member of the Student Council, Phi Psi, track team, and associate editor of The Blue Print.

Culver Kidd, vice-president, is a member of Skull and Key, Bulldog Club, Pi Delta Epsilon, Student Council.

(Continued on Page 3)

Prominent Atlantans Address Pledges

Dean Field has announced that the Rev. Peter Marshall, pastor of the Westminster Presbyterian Church, will deliver an address at the next meeting of the fraternity pledges to be held in the Chapel at 7 P. M., Monday, December 3.

These talks given by various prominent Atlanta gentlemen, have proven to be very interesting and helpful to the new pledges, and it is urged by Dean Field that all fraternity pledges reserve this date for the meeting. An invitation is also extended to all old fraternity men.

Tech Chapter of A. I. C. E. To Make Chem. Plant Survey

At its regular biweekly meeting last Wednesday afternoon, the American Institute of Chemical Engineers, honorary Chemical Engineering Society, decided on its project for the coming year. The Institute has elected to trace out, to the minutest detail, the organization and operation of a typical aluminum sulfate plant in this section of the country. Committees were formed to investigate all branches of the industry, from financing to plant layout, and will report their findings at future meetings during the year.

The reasons for the selection of the Aluminum product were threefold: first, the procedures in its manufac-

ture are relatively simple; Second, there is a plant in this vicinity which the members may visit for practical observation; and, third, almost all unit processes are involved in its preparation for market.

L. D. Yates, an assistant in the Chemistry Department, opened the meeting with an informative and interesting discussion of "plant location," especially valuable to future chemical engineers. He explained fully the relative valuation to be placed on the many factors that are likely to influence the location of a chemical manufacturing plant.

A.I.C.E. holds its meetings at four P. M. every other Wednesday afternoon throughout the school year.

Experimental Station Project Cinema Shown to Alumni

By means of actual motion pictures of the various experiments carried on at Tech, the Alumni and friends of Georgia School of Technology were shown at their meeting held Friday, November 9, the progress being made by the Experiment Station Project. The manufacture of rayon from pine pulp and the performance of an ultra-modern, three-wheeled, stream-lined car created much interest in the audience. Among the other experiments illustrated, giving encouragement to the backers of this newly instituted research work, were those concerning air-conditioning, utilization of waste materials, and strength tests of building materials.

A. L. Loeb, vice-president of the

Alumni Association, presided in place of the president, Rhodes Perdue, who was out of the city. Following a word of welcome by Dr. M. L. Brittain, President of Georgia Tech, Director W. Harry Vaughn presented an outline of the program of the State Experiment Station. This work was actually begun on July 1, 1934, through the appropriation of \$5,000 from the Board of Regents. In order to clarify his remarks and take the audience through the various laboratories, the films were shown.

Judge E. S. Ault, member of the Georgia Board of Regents, spoke concerning his interest in these activities and in the development of industry and natural resources in Georgia.

Ramblin' Wreck Contest Tonight at Grant Field

Colonel Telamon Cuyler and 1909 motorcade have nothing (at least in the way of aged automobiles) on the Georgia Tech Yellow Jacket Club. The Yellow Jacket Club will sponsor, tonight, its annual "Ramblin' Wreck Parade" at which Tech's oldest, sorriest, ugliest, and most decrepit "automobiles" will vie for honors, to be followed by finals of the pushball and tug-of-war contests and a monster pep meeting which promises to be the year's greatest.

In the "Ramblin' Wreck Parade," the first prize will be four tickets to the Alabama game and possession for one year of the famous "Golden Ga-boon" (loving cup to you) with the name of the winning organization engraved on the cup. The second

prize will be two tickets to the Alabama game, and in addition to these prizes there will be given to each of the first ten entrants, one ticket to the game.

Fifteen fraternities and their dormitories have already made plans for entering the contest, and the field is open until seven o'clock tonight.

Last year the Chi Phi's tied the Delta Tau Delta's, and provided laughs for the grandstanders at the Florida game by parading during the half. Not content with having merely ancient cars, they had their entrants rigged up with gadgets that would have put our Mr. Rube Goldberg to shame. There were scouts down from several large northern manufacturing

(Continued on Page 6)

Interesting Sound Pictures To Be Shown at "Y" Nov. 23

"Arrangement of Atoms and Molecules in Crystals," the first film to be given in a series of twelve motion picture shows, will be presented by the Y.M.C.A. in the Tech "Y" Auditorium, Friday, November 23 at 7 P. M. This will be followed by a two reel film "Constitutions and Transformations of the Elements." Chemistry, physics, geology, industry, engineering, transportation, drama, and travel will be dealt with in the various reels during the series.

Tickets for the twelve shows can be purchased by Tech students for \$1.00 at the desk in the Y.M.C.A. building. Despite the demand by the outside public, the Tech students will be given first choice in the purchase of these limited number of tickets. Since the

auditorium will seat but three hundred and twenty-five, all interested students are advised to come to the "Y" desk at once and get their tickets.

In the first film on the initial showing, William Henry Bragg a scientist of note, discusses crystal structures and uses diagrams to explain his remarks. Ernest Rutherford, well known English scientist, relates and demonstrates, in the latter, his theories of the constitution and transformation of the elements.

On Tuesday, November 27, at 7 P. M., a second show consisting of "Business In Great Waters" and "Sky Harbors" will be presented in the "Y" Auditorium. The first pertains to

(Continued on Page 5)

The Technique

The South's Livest College Weekly

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Young Gentlemen?

Armistice Day is a day set aside to commemorate the memory of those men who were lost in the great war, and to celebrate the termination of that disaster. Ceremonies held in the honor of such a worthy cause are of serious nature. The behavior of the students of Georgia Tech in the Rose Bowl field Monday morning was more befitting to that of high-school boys. Few acts were committed which exemplified the character of Tech students. Those who were interested in the addresses offered by the speakers were unable to hear because of the constant drumming of feet on the stands.

We realize that it was cold in the stands, but in comparison to the hardships withstood by those in whose memory the day is observed, the cold was negligible. Tech students have the reputation as being gentlemen. To uphold such a reputation, they will have on conduct themselves accordingly. On future occasions they will be expected to give at least their respect, if not their attention, to the speakers and other participants in such celebrations.

The Motorcade!

The Anak Atlanta-Athens motorcade on the morning of the Georgia game is still in the offing. Plans have been made for the transportation of the band. The Student Council has provided the necessary funds to procure the services of two busses that will carry the band and lead the parade. City and school officials have endorsed the plan, and every indication points toward a big event.

Present plans provide for the disembarking of the band at the city limits to lead the parade through the town of Athens; this to take place on arrival at about twelve o'clock.

Athens school and city officials are heartily in favor of the plan since it makes the passage from Atlanta to Athens much safer for sane drivers.

Complete plans with starting time, place, and other necessary information will appear in The Technique next week.

The "Y" Movies

Upper-classmen as well as freshmen may well recognize a good thing when it comes their way. The good thing in mind this time is the pictures to be shown at the "Y" auditorium next Friday night and at regular intervals thereafter.

The best in equipment has been installed, and the demand for tickets, especially from outsiders, has already proved the success of the venture. A certain quantity of tickets, however, are being saved for interested students. The block sale price for the series of twelve shows is exceptionally reasonable at one dollar. Unless these tickets are sold soon to students, they will be released to outsiders who have put in orders for them.

Some of the pictures will be in sound and others silent, the nature of the pictures deciding this factor.

Tickets may be procured at the "Y" desk throughout next week.



AND THE SOCIAL—Affairs seem to take on larger proportions as the year rolls past. The dance of the S.P.E.'s tonight at East Lake, the Phi Epsilon Pi, dance in the near future augmented with numerous house dances for the Old Grads at Home Coming. The Sigma Chi on Friday. The Delts on Saturday and the Tea dance of the Chi Phis Saturday afternoon are only a few of the gala events honoring the Old Grads when they return to the flats.

WELCOME MEN OF YESTER-YEAR—The Technique, yours truly and the Student body at Tech hopes that your stay at the old stomping ground will be all that it has been in the years past. Welcome is on the door mats all over the campus, we really mean it when we say that we are glad to have you here today. We doff our hats to you lads, the men that have made Tech the School that it is today. Again we welcome you.

SEEMS THAT SOME OF THE—Modern advertisers pack a kick with their new methods, Light a Camel and relax, seems to have been overdone in the case of one Virginia Hart, she lit a Camel and now has six long weeks in which to relax. Well, little girl, suppose you will believe in signs next time. We miss you to say nothing of "Foolie." Seems that the Lucricia Van Horne-Smoky Joe Atkinson Combination is being revived in a small way, more power to you, Joe. Some time ago a fraternity gave a dinner-dance and when some of the guests stayed for the dinner and promptly left for a prep school dance, they were criticized no end. A renewal of this old custom was portrayed at the Pi D. E. dinner-dance, when two of the "brudders" hurried the waiters with dessert so that they might take their dates to a seminary sorority script dance, howzabout it Allen, Ida, Helen and Mac, that's the last straw. And they had to be in early on school nites! Wow!

CAN YOU IMAGINE THE EM-BARRASSMENT—of a social chairman that in good faith signs up one of the orchestras, or rather a group of gents that play music for nominal sums for house dances, and finds that

at the last minute they sign with another group for the same night for a few dollars more. Well gents its happening, we won't use names however yours truly or the Gents on the staff can give you the particulars. Be sure that this same group don't pull the same fast one on the "Brudders." They are playing the Bulldog dance Saturday night we believe, that is their plan unless they get offered a few more dollars somewhere else.

HERE AND THERE WE FIND—That among the gents seen at the recent Breneau dances were, Jo, Jo, Baker the Sigma Chi Flash that hi hoed to the city in the hills to see one Helen Smith, and Alpha Gamm Flash, some Dame Jo Jo, bring her to the Gate City sometimes. Tallahassee in all its glory, 'tis rumored was in attendance in Atlanta last Saturday, thanks for the ddition to the dames here Merry, come back soon. Among the dames at Breneau this year that are destined to be frequent visitors for the better affairs are Connie Carl, and Dot McFarlane, they make their advent with the 'Bama Game. Both hail from Yankee land, and have what it takes and then some, watch their smoke. Seems that one Dudley of the Emory D.V.S. Dudleys and Julia Gatewood are making plenty of time while Julia has her glasses fitted, at Breneau, and otherwise, while 'tis rumored she knows a gent called Alexander.

TONIGHT AT THE "Y"—The Marionettes present their first offering of the season, three one act plays, give them your support fellows, they are doing their best to please. The plays are good ones and well worth your while.

CLEAMINGS—Katherine Carroll, of Girls High fame is destined to go places socially this season, thanks (Continued on Page 3)

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25c
Scalp Treatments for Falling Hair
Guaranteed

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and Old
Grads
Meet

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In Redecorating
For Your
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Each With Bath

"ATLANTA'S BEST"

Marionettes Present Three Fine Plays Tonight

Marionettes will present their three act plays tonight at the Tech "Y." The plays are "The Boor," "The Meddler" and "Submerged." Tickets are on sale at the Tech "Y." and by Herrin and Norman Fox for five cents each. The program starts at eight o'clock and lasts for an hour and a half. The casts are as follows:

The Boor

Popov—Sarah Dicey.
Archie Simpson.
Edwin Peebles.

Submerged

L. Harris.
D. Emmert.
J. Tufts.
Commander—Norman Fox.
A Little.
T. Treadway.

Class Officers Announced

(Continued from Page 1)
business staff of The Tech-

Williams, secretary and
er, is a member of the Student
Phi Eta Sigma, and the swim-
am.

Sophomore Class

Beard, president, is a fullback
Varsity, and was president of
freshman class last year. Law-
Hays and Harry Appleby, both
leading football players, are vice-
president and secretary-treasurer, re-
spectively.

Freshman Class

Nixon and Jack Chivington,
vice-president, respec-
tively, are both excellent gridmen on
the team. Charlie Bicker-
man, secretary and treasurer, is on
the team and is outstanding in
activities.

Socially Speaking

(Continued from Page 2)

Betty Lou Houck is back in
Atlanta this year more beautiful
than ever, and can she dance, come
often Houck we are always glad
to have you.—Ballenger after goo goo
is back in the running once
again. Well gal Ballenger with lovely
Mary Garland says contrary
reports, she is not sewn up, and
she had and appendicitis opera-
tion. Now these gals do go on, seems
like Fuggits and Page are still
in the Glegthorpe way, but the Sig-
ma are bringing them into the
room again Friday Nite—the
Woolford-Kalkhurst combina-
tion exists, these triangles turn
heads grey—well grey is better
we suppose.—Seems that Jo
and Scrooge of yesteryear
Blonde and the ones that
the Technique Printers office
ear, Stein is the name. How-
ever, says the dame in the
graph office has the edge on
dames.

fancy hothouse lamb pro-
duced the Pennsylvania State Col-
legiate Agriculturists has been pur-
chased by Secretary of the Treasury
Hau to be served at a dinner in
President Roosevelt.

Illinois legislature has asked the
general of that state to in-
vestigate the merger of Chicago and
Western Universities.

APITOL
ATLANTA'S ONLY VODVIL

Starting Sunday
"Sunshine Girls"
—Acts of Vodvil—8
Music Novelties:

Screen!
Damon Runyons
"Lemon Drop Kid"

With
LEE TRACY
HELEN MACK
BABY LEROY

ALCOWY
25¢
ANY TIME

Scabbard and Blade Announce Program

On Thursday night of last week
Scabbard and Blade put on a show at
the Tech chapel. Two very interesting
Navy travel pictures, "Trail of Ghen-
gis Kahn" and "An Egyptian Adven-
ture" were shown, followed by "The
Life of Riley," a very exciting calvary
picture.

Chick Meehan announced that Scab-
bard and Blade would attempt to pre-
sent a show a month. The feature next
month will be "Cadet Life at West
Point"; this should be of a great deal
of interest to Tech students to see how
the future Army officers get their
training. The picture gives a com-
plete resume of the life and activities
of the school year and summer camps.

Here and There

Frances Perkins, Secretary of Labor
in President Roosevelt's cabinet, was
known as Fanny Cora Perkins when
she was a member of the Mount Hol-
yoke College class of 1902.

Governor George White of Ohio led
the list of chaperones for the Ohio
State University prom this year.

A course in aeronautics will be
offered at the University of Kentucky
as a CWA project.

A special study of hypnotism is be-
ing made by scientists of the College
of the City of New York.

NOTICE, SENIORS!
Fill out ODK blanks in Dean
Field's office this week.

G-E Campus News



GOOD-BYE, SMOKESTACK

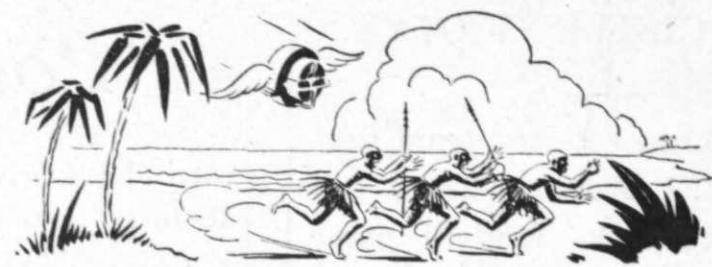
For many years, the old central heating plant
at Mt. Holyoke College, in Massachusetts, with
its tall, unsightly smokestack, barred the way
to certain necessary improvements and land-
scape developments on the campus. This
summer the old boilers and the smokestack
were torn down. In one of the buildings of the
old plant stand 120 General Electric oil fur-
naces arranged in circular groups of five. Fifty-
two more G-E oil furnaces are installed in the
smaller or more isolated buildings of the cam-
pus, operating singly, in pairs, and, in one
instance, in a battery of 10. In the central
plant, only as many groups of furnaces will
operate as are necessary to maintain the re-
quired steam pressure. The remainder will be
shut down, avoiding stand-by losses. The indi-
vidual furnaces and small groups in distant
buildings permit the abandonment of some of
the longer runs in the underground steam-
distribution network. The high efficiency of the
system is expected to produce savings which
will pay for the installation in five to seven
years. In addition, as a result of the more
careful regulation of temperature, it is expected
that health conditions at the college will be con-
siderably improved.

The main plans for the system were drawn up
by C. W. Colby, consulting engineer. D. W.
McLenegan, Wisconsin, '21, assistant engineer
of the Air Conditioning Department; W. O.
Lum, and H. R. Crago, Penn State, '18, both
of the same department, handled engineering
details for General Electric.

TWO POLES IN ONE

Radio entertainment and "airmail" have been
sent to the Antarctic through General Elec-
tric's short-wave station W2XAF, ever since
Rear Admiral Byrd arrived there last year.
Recently, in conjunction with a Byrd program,
another was sent out to Rockwell Kent and his
son in the Arctic region—thus linking simul-

taneously Americans who are, in the matter
of latitude, farthest apart. Governor McNutt
of Indiana and other prominent Hoosiers
spoke to the Byrd Expedition from Indian-
apolis in a program sponsored by the Indian-
apolis Star. Immediately afterward, the Coffee
House Club, an organization of artists and
writers to which Rockwell Kent belongs, sent
music and greetings from New York to him
on the island of Ubejkent, just off the coast
of Greenland, 600 miles within the Arctic
circle. Features of this program were special
greetings from Mrs. Kent and her daughter,
and a talk in the Eskimo language by Vilhjalm-
mar Steffanssen, Arctic explorer, for the
benefit of the natives. Both programs were
broadcast over a coast-to-coast NBC network
as well as by short waves.



FLYING POWER PLANT

Gold was discovered in 1925 along the Bulola
River in New Guinea, an island just north of
Australia. Prospectors worked the richer veins
by hand methods, and packed their "take" on
the backs of natives through 40 miles of
cannibal-infested and nearly impassable jungles
to Lae on the coast. After the best veins had
been worked out, it became apparent that
placer operations on a large scale would pay if
the necessary dredges and other machinery
could be brought to the location. Land trans-
portation was impossible, so a plane was sent
in. The pilot found a spot to land, and a flying
field was cleared off.

Four 875-kv-a. General Electric waterwheel
generators were among the equipment ordered.
When they arrived at Lae, they were trans-
ferred to huge all-metal Junkers freight planes
and flown to the location piece by piece. The
largest single pieces had a net weight of 6545
pounds. As the load limit of the planes is 7000
pounds, it was a tight squeeze. D. B. Gearhart,
Iowa State, '27, of International General Elec-
tric, Inc., handled the order for the Company.
96-83FBI

GENERAL ELECTRIC

"I like that
fragrant Granger"



In the manufacture
of Granger Rough Cut Pipe
Tobacco the Wellman Process
is used.

The Wellman Process is dif-
ferent from any other process or
method and we believe it gives
more enjoyment to pipe smokers.

... it gives the tobacco an ex-
tra flavor and aroma
... it makes the tobacco act
right in a pipe — burn
slower and smoke cooler
... it makes the tobacco milder
... it leaves a clean dry ash
— no soggy residue or beel
in the pipe bowl

LIGGETT & MYERS TOBACCO CO.

... in a
common-sense
package — 10c





SPORTS



JACKETS TRIM AUBURN

IN CROSS-COUNTRY MEET

Varsity and Frosh Win by Decisive Scores

The Tech cross-country team decisively defeated Auburn 23-32 last Saturday before the football game, thus taking revenge for last year's defeat. Phil, star runner for Auburn, won the 3.6 mile race in 19:25. He was followed by West and F. Jones of Tech, and then Gault of Auburn. Batson, Captain Rankin, and Johnson of Tech were next in finishing. They were followed by Chandler, Embry, and Funchis of Auburn.

Last year's cross-country team started the season by losing to Auburn, and then they defeated Alabama and Florida. This year the Jackets have already won from Auburn, and they meet Alabama tomorrow before the football game. Alabama has a stronger team this year than the one which Tech beat by one point last year, but the Jackets have a good chance of winning.

The Freshman team, led by Captain Aldridge, won their first meet last Friday when they defeated Boy's High School 21-32. Aldridge made the excellent time of 9:56 over the two mile course. Belcher of Boy's High was second, followed by Goldsman, Pearce, Byrd, and Frambrough of the Freshmen.

Today the Freshmen go to G. M. A. for a meet with the Cadets and are primed to make it two victories in as many starts.

Freshmen Continue Work; Point for Bullpup Game

On Thanksgiving Day the Baby Jackets will do battle with the Georgia Freshmen. It will be a good game! Rumor has it that Georgia is not lacking in first year material, and the Baby Jackets certainly have a team to be reckoned with. A powerful line, and a fast backfield are the requisites for a good football team, Tech has both!

In the line we have Jack Nixon at center, who, by the way, is a versatile chap and can also play tackle when needed. Then we have Adams, Carmack, and Glendenning at the guard posts, all sterling material. At tackle, Roberts, Collins, and Roney, men of iron. While on the flanks

end posts Ed Jones, Jordan, Phillips and Allen are A-1 men. Its a line that can tackle, and one that can block!

In the backfield, men like Konerman, "Scrappy" Edwards, Sims, Johnson, Peterson and Tierce, are reasons why Coach Tharpe isn't wearing a sad look. Sims does the kicking for the gang, but in emergencies Konerman can kick like a mule. Sims also passes, as do the other men in the backfield. All the above named men have distinguished themselves at one time or another in practice for their long runs. Therefore Georgia, look to laurels, the Jackets are going to sting this year!

Tornado Figures Surprise for Crimson Tide in Home-Coming

The Tech Yellow Jackets, in the final home game of the season, meet the powerful Crimson Tide of Alabama tomorrow at 2 o'clock on Grant Field. With determination, courage, spirit, and a little strength, the crippled Tornado will put up a gallant fight in an effort to lay low the powerful Red Elephants, whose devastating play has trampled over the leading teams of the South. Their sweeping offense, led by Millard Howell, Angelich, Riley, Boozer, Demdyanovich, and Smith in practically unstoppable, and behind the perfect interference of the gigantic line, has mowed a path of destruction thru all opponents.

Tech has little hope for victory. The only encouraging feature is that Tech holds some kind of jinx over the Crimson lads. They defeated a championship squad 6-0 by virtue of a 75 yard run on the part of Charlie Gallo way. Last year an equally strong 'Bama team was barely able to nose out a 2 point victory after Tech's inspired defence held them at bay for two-thirds of the game.

The Tech team tomorrow will be

far from being in the best condition. Roberts and Martin both have missed practice because of illness, and although they will be able to play, they cannot put forth their best efforts. Boyd is out with a broken jaw, Phillips still limps badly on his injured knee, and many of the remainder of the squad suffer from minor injuries received in the series of difficult games, that Tech has scheduled this season. However, Coach Alexander will have a team on the field that will give forth every effort to stop the march of the Crimson Tide. The new Jacket offense will work smoother due to better timing, greater variety of play, and a keener knowledge of blocking assignments. The defense, especially set to break up the Alabama type of sweeping offense, is sure to cause trouble to the advancing horde of red elephants, and make them struggle hard for every inch.

Statistics

ROBERTS HEADS SCORERS

	T.D.	E.P.	Safety	Ttl.
Roberts	3	0	0	18
Martin	2	0	0	12
Perkerson	1	0	0	6
Beard	1	0	0	6
Thompson	0	0	1	2

Remember!

THE TECH COMMISSARY
SERVING THE TECH MAN ONLY
THE BEST SINCE 1906

Tech Fencing Team Plans Intra-Mural Tournament

The fencing team is sponsoring an intra-mural Tournament to be held just prior to the Xmas vacation period. The tournament shall be between the Infantry, the Navy, the Coast Artillery, the Signal Corps, and the non-military men.

George Swanson, Captain of the Team, will coach the men in Infantry. Norman Fox, Assistant Coach, will coach the Coast Artillery. Freeman Williams, a Varsity man, will coach the Navy. Paul Seydel, a Varsity Grad., will coach the Signal Corps. M. O. Mallo, Varsity man, will coach any non-military men who care to enter the tournament.

Men interested in entering the tournament shall watch for the announcements of the various coaches as to the time of practice.

Juniors and Seniors, who are not now taking military may enter as of the unit from which they left, provided that they are eligible.

Eligibility consists of having paid the initial fencing equipment fee, not having gotten a letter on the varsity squad, and a rudimentary knowledge of the art of fencing. The breakage costs of the first tryouts prohibit allowing men to enter the tournament who have not come out for fencing before.

Eligibility List:
E. O. Batson, F. G. Bobo, M. E. Claire, R. J. Daniel, F. E. Ellis, H. D. Emmert, R. H. Fagan, L. C. Fallon, J. D. Fraga, B. F. Gerding, R. E. Gretzinger, W. T. Hall, P. I. Harp, R. H. Hutcheson, B. L. Hursey, E. W. Irby, H. D. Ivey, H. P. Kupcio, B. M. Loden, J. Logomassino, E. A. Martin, R. G. McCulloch, W. L. O'Ferrall, J. L. O'Rear, J. A. Parker, W. F. Patrick, E. L. Pearson, E. Roqueta, B. P. Schwartz, W. B. Singleton, F. L. Shackelford, O. Suarez, J. E. Teaford, G. H. Weaver, R. H. White, Frank Lawrence, Gus Reisman, George Arias.

HAIRCUT NOW 25c
SAME SERVICE—SAME QUALITY
The Only Cut is in the Price
Fraternity Barber Shop
93 North Ave. at Williams St.

W RAY'S
RAMBLIN' WRECK BUFFET
A Good Place to Eat
NORTH AVE. & SPRING
All Kinds of Beverages

We Might As Well Continue to Call "Bad Break"

A fairly large crowd watched Auburn Tigers defeat the Jackets as they blocked two punts for as many touchdowns in the first half, the fair perfect football weather, but half, a hard, cold rain rendered watchers miserable.

The Tech team of last week had a better defensive game than Carolina, but they were still weak on offense. However, if first and third touchdowns were made, the figures on the game are typically even. Both teams good defensive talent, but sl work was evident on offense.

Outstanding on the Tech team were Roberts, Gibson, Katz, Perkerson. Hoot showed Auburn has shown all the other teams faced, how the end position is. Preston starred backing up with tackle after tackle. Shortts, as usual, proved he All-American material in fact that he has poor success was not only the offensive leech to the fast Plainsman.

For Auburn, Paterson, Morris, and Karam were the players. Morris blocked a punt, raced after it and the goal line for the first game. Soon afterwards he was peated and 18 points were handicapped at the half. Auburn blocked punts, Auburn on a trick play with the ball around end.

Tech made her only touchdown after a series of desperate score. Shorty Roberts yards to Gibson and he on the three yard mark position Beard bucked only touchdown. Next capable of making a touchdown and the game in Auburn's favor. A blow of the game was the of Captain Jack Phillips. We're all hoping Mik get him back into condition again this year.

1934 SCHEDULE	
September 29	
Georgia Tech (12)	Clemson (7)
October 6	
Georgia Tech (12)	V'bilt (26)
October 13	
Georgia Tech (0)	Duke (20)
October 20	
Georgia Tech (2)	Michigan (9)
October 27	
Georgia Tech (12)	Tulane (20)
November 3	
Georgia Tech (0)	N. Car. (26)
November 10	
Georgia Tech (6)	Auburn (18)
November 17	
Georgia Tech	Alabama
November 24	
Georgia Tech	Florida
December 1	
Georgia Tech	Georgia



"Old Golds taught me what throat-ease means" says George Raft

See GEORGE RAFT in "LIMEHOUSE NIGHTS," his forthcoming Paramount Picture

A Value Sensation!
SMART, COMFORTABLE
TUXEDOS
\$25



CORRECTLY styled and tailored from fine worsteds made to wear and look good.

Come in and see yourself. One try and you'll admit here is the last word in comfort. One Mirror Test and you agree that \$25 never bought such a word of good looks before.

ZACHRY
87 PEACHTREE

Research Paper to Appear in December Ceramic Journal

Harry Vaughan's paper, "Data on Stiff Mud Refractories from Georgia Sedimentary Utilizing Void Control," which was originally presented before the Ceramic Division of the American Ceramic Society at their Cincinnati meeting last February, will appear in the December Journal of this Society.

A number of years Prof. Vaughan has been working on refractory problems connected with the development of the ceramic resources of Georgia and the Southeast with a view of developing our raw materials and promoting the location of a plant in Georgia. The above paper is the latest one to be published. It contains all the known physical and chemical properties of four types of Georgia kaolins for the first time in the ceramic literature.

A new type of physical structure is particularly suited for the manufacture of Georgia kaolins into refractory brick by the stiff-mud process. Roughly, the method developed consists in determining what size of aggregates (pre-calined and kaolin known as "grog") should be used to obtain the minimum amount of void space. The bond kaolin was then incorporated in such volume as to barely exceed the volume of the void spaces, so as to obtain a product which might be manufactured by the plastic process with the greatest continuity and the least shrinkage.

Chemical Students to Hear Noted Chemist

The American Chemical Society will hold its next meeting at the University of Georgia Science Club in

Jack Kamm, of Detroit, will be the guest speaker of the evening. Kamm, a noted biochemist, has been associated for several years with the Davis and Company, in Detroit, as Director of Research. At the time of his visit to which the public will be invited, he will address the club, the advances made in the chemical chemistry during the past years. His subject will be "Water and Some Observations on the Interrelations of the Chemical Sciences."

His first talk there will be an intermission. Then Dr. Kamm will address the audience on a technical phase of chemistry, dictation, for members of the profession that they can understand. His busy career this time will be, "Water and Some Observations on the Interrelations of the Chemical Sciences."

lots of... Ba... res... or... e... dre... th... A v... ced... ge... aser... Morge... honor... Th... attor... vesti... North...

LOEW'S GRAND

... NOW ...
"Mr. & Mrs. 'Thin Man'"
the surprise drama of the year
William Powell
and
Myrna Loy
in
"EVELYN PRENTICE"
Metro-Goldwyn-Mayer Picture

—PLUS—
Selected Shorts

FOX

Bert Wheeler
and
Rob't Woolsey
in
"KENTUCKY KERNELS"
with
"Spanky" McFarland
Mary Carlisle
Noah Beery
IT'S ALL OVER BUT THE SHOOTIN' MEN!
RKO Radio Picture

um as to barely exceed the volume of the void spaces, so as to obtain a product which might be manufactured by the plastic process with the greatest continuity and the least shrinkage.

The A. S. T. M. tests on the resulting refractories showed superior strength, resistance to thermal change (spalling), and load at high temperature, thus simulating furnace wall conditions.

The particular advantages of the method devised by Prof. Vaughan are the low cost of manufacture attainable by the stiff mud method and the low temperature of firing required with the kaolins selected for use. Estimates place this at 60% of the manufacturing cost of products of equivalent quality now being produced from similar kaolins.

A. B. Johnson, a graduate of the Ceramics Department, did most of the testing work on this problem.

Prof. Vaughan has sent two papers to the Editorial Committee of the American Ceramic Society which will probably be published in forthcoming editions of the Ceramic Society Journal. At present he is engaged in formulating the program of the Structural Clay Products Division of the Society meeting which will be held in Buffalo, February, 1935.

Eight Men Initiated by Alpha Chi Sigma

At the initiation of the Alpha Chi Sigma, honorary professional chemical engineering fraternity, held last Friday evening, eight new members were formally admitted into the society. These men were: J. D. Gordon, R. A. Siegel, D. A. Lindsey, Thad Ricks, Fred Cox, W. E. Sachs, R. P. Newton, and L. D. Yates, an assistant in chemistry.

Following the initiation, the new members were entertained at a dinner given at the Athletic club. The society also gave a dinner at the Beta house the following Sunday.

Alpha Chi Sigma is very active on the campus in promoting interest in the study of chemical engineering, maintaining the exhibit on display in the chemistry building, and frequently giving motion pictures bearing on this field of engineering.

Fred Astaire and Ginger Rogers

The King and Queen of "Carioca"
... in ...
"THE GAY DIVORCEE"
The Musical Triumph of Two Continents
OWL NITE—
Every Saturday, 11:30 P. M.
Paramount THEATRE

THE HOTEL WITH THE SPIRIT OF TODAY AND THE CONVENIENCES OF THE HOME OF TOMORROW—
FROM MANAGER TO BELL HOP YOU ARE MADE TO FEEL ENTIRELY AT HOME

BISMARCK HOTEL
chicago
ROOMS WITH BATH \$3.50 UP
RANDOLPH AT LA SALLE

Hoyt Will go to Pi Tau Sigma Convention

Charlie Hoyt, president of the local chapter of Pi Tau Sigma, national professional Mechanical Engineering fraternity, has been selected as a delegate to the National Convention of Pi Tau Sigma to be held at the University of Wisconsin the twenty-third and twenty-fourth of this month.

Charlie is one of the very prominent seniors on the campus, being a member of Phi Kappa Phi, secretary of Tau Beta Pi, Adjutant in the Navy cadet corps, and photographer for the Blueprint.

The local chapter of Pi Tau Sigma was founded in the fall of 1932 and since that time has grown very rapidly in prominence on the campus. The purpose of this fraternity is the promotion of scholarship in Mechanical Engineering. Its members are elected from the upper twenty-five percent of their class.

Sound Pictures to be Shown at "Y"

(Continued from Page 1)
the Navy while the latter deals with aviation.

The present plans call for two shows each week, on Tuesday and Friday evenings, beginning at seven o'clock. Because of the rush for the limited number of tickets, Tech students should apply early in order to be sure of gaining admittance to these beneficial and interesting shows.

The weekly newspaper of Montana State College has organized a "datin" bureau to aid lonely stags and wallflower co-eds.

Tech-To-Church Drive Carried on

By DR. HEROD

"An engineer deals with the fundamental physical laws of the universe. These laws came into existence with the universe; created, as the universe, by an all wise, all powerful creator, God. The engineer's job is a dignified one. If he wishes to make the best of it, be the greatest possible success as an engineer, he must keep himself in tune with the infinite source of power, in tune with the creator of the universe. This can best be done (it seems to the writer) by the normal individual by keeping in touch with organized worship. When one attends church or Sunday School, he is doing this."

"There is still another reason for an engineer attending church and Sunday School. He can make them better with his presence and resources. When he does this he is helping forces that make the world better."

Dr. Herod's article is another in a series written by various members of the Georgia Tech faculty in the interest of the Tech-to-Church program. The students are urged to attend church regularly, but at the present time there is a movement sponsored by the Y.M.C.A. to get every student to attend some church on Sunday, November 25.

Exactly \$6,360.00 was distributed to students at Indiana University as their first CWA pay check.

LAUNDRY
CALL HE. 3000
Special Student Rates
AGENTS
Ben Strauss — Dave Center

Kappa Eta Kappa To Initiate Fifteen

Kappa Eta Kappa, national professional electrical engineering fraternity, at their meeting last week, elected the following new members: W. A. Wilson, W. H. Horn, E. J. Preston, O. E. Williams, Jr., W. L. Tyson, B. E. Gruters, A. C. Fraga, J. W. Morrissey, E. J. Gillespie, C. N. Walker, Jr., J. G. Brown, F. D. Griesinger, W. M. Murphey, J. G. Bishop, F. M. Bullock.

The campus initiation of the above-named students will be held during the coming week. Membership in this organization is offered to those junior and senior electrical engineering students possessing the requisite qualifications of scholarship, character, and leadership.

A revolving stage is being used in a current production of the University of Nebraska Temple Theatre Players.

THE STADIUM
ACROSS FROM GRANT FIELD
WHERE THE BOYS MEET TO GET
GOOD MEALS AND SANDWICHES

ATTENTION MEN!
Our Fall and Winter Fabrics have been selected by Experts. Each garment is thoroughly examined by expert tailors before delivered.
A Visit Will Convince You
Our Representative at Tech
MIKE WASSERMAN, T E P
TUXEDOS FOR RENT
COMPLETE SOUTHERN TAILORS
9 Auburn Avenue

In A Jointless-Minded World

Welding would prevail—and old methods of joining could not be restored to favor.

By E. A. DOYLE*

If welding had become the standard method of manufacture before mechanical types of joints were introduced, it would be difficult, indeed, to convince manufacturers that they should redesign their metal products to use mechanical methods of joining.



NO RETREAT—pipe line constructors would never consent to a change from simple, portable welding equipment to the complicated devices essential to other methods.

Welding Gives Strength

Strength would be a talking point for welding. The welded joint is strong as or stronger than the metal which it joins. The cutting of holes for screws or bolts would naturally weaken the structure. Appearance gives welding another vote. Joints made by welding are smooth in contour and have no depressions, bosses,

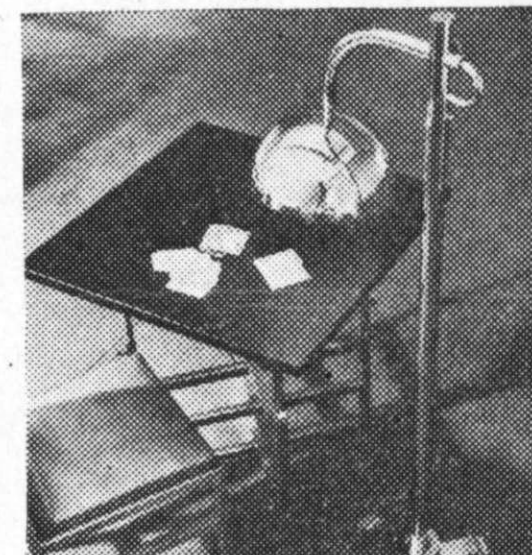
projections or attachments as is often necessary in mechanical means of joining metals.

Costs Less to the User

Cost would be another argument for welded joints. The greater amount of material necessary with mechanical joints, the increased weight, and the decrease in pay load or performance-to-weight ratio, would make welding the preferred method. Nobody would consent to a joint in piping, which might, through a tiny leak cost much more than the permanently leakproof welded joint. Nor should it be necessary to buy expensive machinery to make mechanical joints which welding can equal in performance, economy and adaptability with a minimum investment in metal fabricating equipment.

Modernizes Automobile Design

Automobile manufacturers would insist on welding rather than consent to a return to the design limitations imposed by mechanical joints. In face of a change from "teardrop" designs to the old boxlike bodies, with the attendant discomforts, with higher cost due to increased gas con-

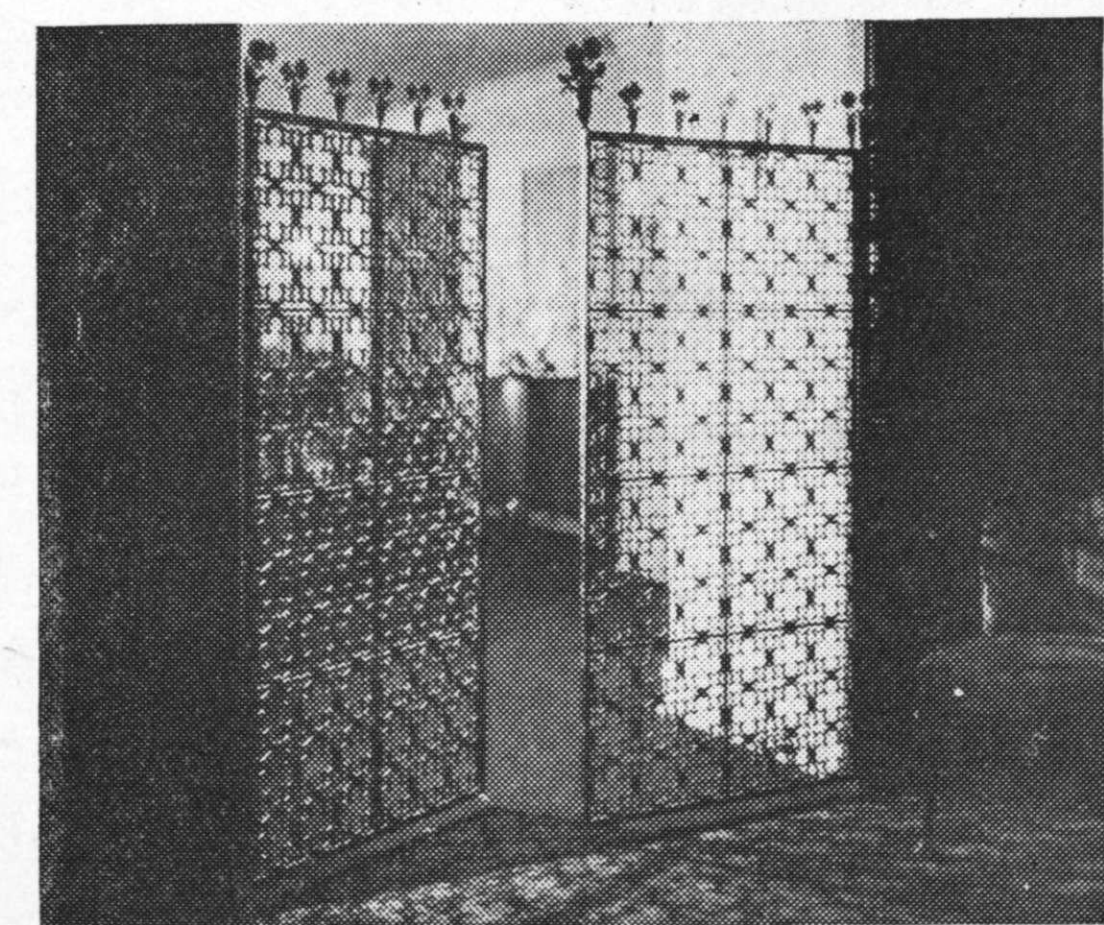


METAL FURNITURE—The welded joints in metal beds, chairs and other similar furniture assure a sturdy and rigid assembly.

sumption and increased tire wear, with the fear of accidents increased by the lack of confidence in the joints, with appearance impaired and lacking the smooth surface for fine paint and lacquer finishes,—the automobile manufacturer would hesitate long before any but welded joints would even get a hearing.

In the Future

Farsighted industrial executives can appreciate that a completely "welding-minded" industrial world is not far off. They should use in their own manufacturing operations as many of the advantages of welding as possible. The welding engineers of The Linde Air Products Company can advise how oxy-acetylene welding could best be used in your plant. This service is obtainable without cost or obligation by application to any of the sales offices of The Linde Air Products Company located at Atlanta, Baltimore, Birmingham, Boston, Buffalo, Butte, Chicago, Cleveland, Dallas, Denver, Detroit, El Paso, Houston, Indianapolis, Kansas City, Los Angeles, Memphis, Milwaukee, Minneapolis, New Orleans, New York, Philadelphia, Phoenix, Pittsburgh, Portland, Ore., St. Louis, Salt Lake City, San Francisco, Seattle, Spokane, and Tulsa. Everything for oxy-acetylene welding and cutting—including Linde Oxygen, Prest-O-Lite Acetylene, Union Carbide and Oxweld Apparatus and Supplies—is available from Linde through plants and warehouse stocks, everywhere.



BEAUTIFUL USEFULNESS—typified in this welded ornamental iron gateway. Every joint is strong, sound and was made inexpensively.

*Chief Engineer, Development Section, The Linde Air Products Company, New York, Unit of Union Carbide and Carbon Corporation.
—This being a Business-News Advertisement.

Intern'at'l Relations Club Discusses Armistice Day

The International Relations Club held its meeting and Armistice Day program on Sunday, November 11th, at the Y.M.C.A. Professor Rainey of the English Department spoke on the subject, "The Effect of the World War on International Alignments." Professor Rainey pointed out that the World War has divided the world into two camps, the satisfied and the dissatisfied powers. The first group is interested principally in maintaining possession of the pillage gained in the World War; the second group is determined to win a larger share of the world's goods.

The following officers were elected: Rayford P. Kytte, president; R. A. Harbort, vice-president; Pressley Walker, secretary, and Gene Padgett, treasurer. A joint meeting with the Cosmopolitan Club and other campus organizations was planned.

Ramblin' Wrecks Race for Prizes Tonight

(Continued from Page 1)
concerns to get pointers on what the "modern" car will look like.
Following the parade will be a pep meeting at which two of Tech's most prominent alumni, Bobby Jones and Red Barron, will speak. This meeting promises to be the most interesting of the year.

To top the evening, the tug-of-war and pushball teams of Harris and Cloudman dormitories, having previously defeated the teams of Knowles and Brown, respectively, will lock horns in the finals. The winners will

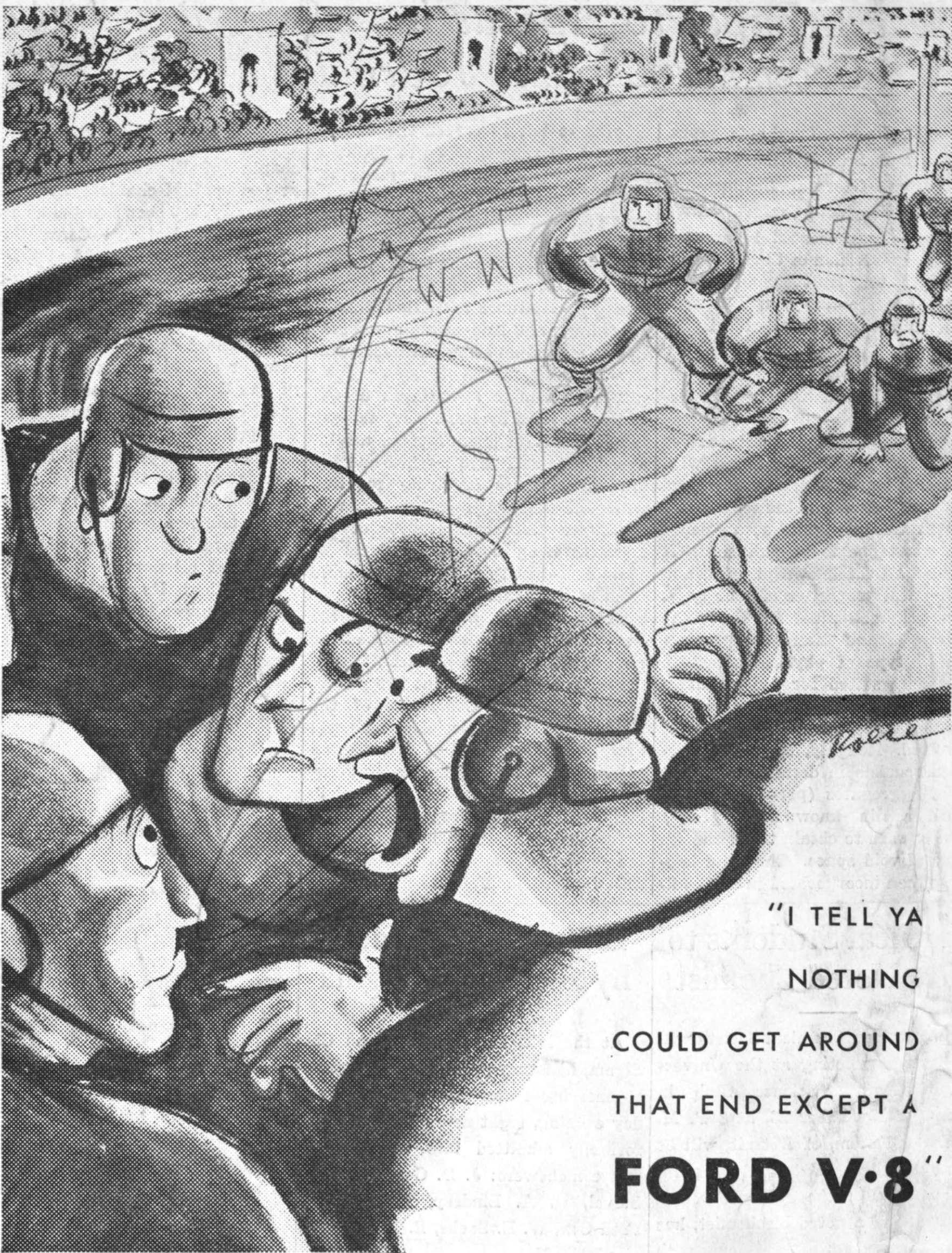
WATCHES and WATCH
REPAIRING
J. W. BOONE
117 Peachtree Arcade

The Dope Pot

WINNER	LOSER
Georgia Tech	Alabama
Auburn	Florida
Georgia	N. C. State
Tulane	Kentucky
L. S. U.	U. of Miss.
Loyola	Miss. State
Sewanee	Cumberland
Tennessee	Vanderbilt
Centenary	Baylor
Birmingham-Southern	Spring Hill
Holy Cross	Brown
Western Maryland	Bucknell
Fresno State	Calif. Tech
Duquesne	Carnegie Tech
Army	Citadel
Clemson	Mercer
Syracuse	Colgate
Penn.	Columbia
Dartmouth	Cornell
Davidson	V. M. I.
U. of N. C.	Duke
Purdue	Fordham
Furman	U. of S. C.
Harvard	U. of N. Hamp.
Vich. State	Detroit
Notre Dame	Northwestern
Georgetown	Miami
Ohio State	Michigan
Princeton	Yale
Rice	Texas A. & M.
S. M. U.	Arkansas
Stanford	Olympic Club
T. C. U.	Texas
Pittsburgh	Navy
Minnesota	Chicago
Illinois	Wisconsin
W. & L.	W. & M.
Washington	Puget Sound
I. of Va.	V. P. I.
Catholic U.	U. S. D.
Oregon	Sou. Calif.
Oregon State	Montana
Nebraska	Kansas
Marquette	Creighton
Villanova	Manhattan
Lehigh	Mulheberg
Penn. State	Lafayette
Iowa State	Drake
Indiana	Maryland
Season's Record	Won 276 Lost 63 Tied 13

be undisputed masters of the pushball and the rope (which we hope will be stouter than one of several weeks back which broke under the strain). Anyone who doesn't think that the game of pushball is tough can examine the school hospital records for last Friday night.

Hack Eibel Recreation Club
BOWLING,
BILLARDS,
LUNCHES
ALL NEW EQUIPMENT
Peachtree and Walton,
Upstairs



"I TELL YA
NOTHING
COULD GET AROUND
THAT END EXCEPT A
FORD V-8"

Fair enough—

WE tell you that Chesterfield Cigarettes are made of mild, ripe tobaccos. We've told you about the paper—that it's pure and burns right, without taste or odor.

We have said that Chesterfields are made right. The tobaccos are aged, then blended and cross-blended, and

cut into shreds the right width and length to smoke right.

These things are done to make what people want—a cigarette that's milder, a cigarette that tastes better — a cigarette that satisfies.

You can prove what we tell you about Chesterfield. May we ask you to try them — that would seem to be fair enough.



Strictly on their merits
the cigarette that's Milder
the cigarette that TASTES BETTER