



Armour Tech News



Vol. XX. No. 6.

Armour Institute of Technology, Chicago, Illinois

Tuesday, October 26, 1937

Movies to Be Shown at Assembly Friday

Construction of Golden Gate Bridge Will Be Seen

At the second assembly of the year this Friday, a sound motion picture, "Construction of the Golden Gate Bridge", will be shown. The picture comes from the John Roeblings Sons Company who built the world's largest open span bridge, and will be authentic in every respect.

This presentation comes as part of the Institute's program to supplement class instruction with lectures by outstanding personalities and the showing of motion pictures along engineering lines. All students are welcome, and there will be no classes at the time, 10:30, Friday.

Builders of some of the most noted bridges in engineering annals, John Roeblings Sons Company maintain extensive research laboratories and a staff of many technicians and scientists. In the picture will be shown how their work in prestressing, determining the properties of bridge strands, cables and sockets, enables laborers ignorant of all these things that Armour men study daily, to construct these marvels of precision, which, it is hoped, will attract and interest a large group of men.



IN A SHORT WHILE Armistice Day will be here again, and as is customary, Americans in all walks of life will pause for a moment to pay tribute to those who died during that great struggle twenty years ago.

Before the World War, Europe was suffering from a case of "excessive nervousity" such as it had never experienced prior to that conflict. Today we, here in the United States, are beginning to appreciate that same condition. So rapidly are "events" taking place that international complications seem to be reaching the danger point.

WE MAY LIST rather briefly, some of the more recent developments which are the cause for the present war scare. (1) The Sino-Japanese conflict took on an added importance after the Japanese announced their blockade of the entire Chinese coast. This coupled with the strong resistance the Chinese have put up, and the recent declaration by Japan that a state of war existed, have aided materially toward bringing the Far East Situation closer to us. (2) The fact that Russia openly accused Italy of sponsoring the pirate submarines in the Mediterranean Sea, has certainly not diminished the possibility of war. (3) Germany's repeated determination to stand by Italy against Russia or any other enemy, plus the recent meeting between Hitler and Mussolini has served to emphasize an alliance between these two dictators. (4) President Roosevelt's recent speeches, which exemplify America's new interest in foreign affairs, is another source for thought.

WHETHER OR NOT we will become involved in a new conflagration in the immediate future is a matter of speculation. Those who are supposed to be more ably informed declare that war will not come for some time yet.

This shrewd prophecy seems to be substantiated by the following facts: (1) The British armament program will take about one year to get into full stride. Because of this British diplomats will continue jockeying for position in all foreign affairs. The English are reluctant to start the next war and it is only because they have allowed their irritation to be soothed with ink that Europe has been spared from war thus far. (2) Germany is experiencing a shortage in crops this year and the winter promises to be a hard one. There are those who point with warning to Germany's dazzling "self sufficiency"

(Continued on page four)

A.S.M.E. to Visit Kenosha Plant of Nash Corporation

The Armour Branch of the A. S. M. E. will visit the Kenosha Plant of the Nash Motor Car Company, Wednesday, November 3, if negotiations with the company are completed, it was announced today by the Inspection Trip Committee. The final date and arrangement will be available at the next meeting.

It is planned to have a representative from the company visit Armour before the trip and lecture upon the features and operations to be seen at the plant. This will increase the value of the trip for each member attending.

Senior Committees Selected by Nauman

To Control Class Activities Throughout Year

President C. K. Nauman of the senior class has announced the appointment of various functioning committees for the control of graduation and pre-graduation activities. The committee which has charge of the graduation ceremonies in general consists of A. N. Schrieber, chairman, R. A. Kliphardt, C. Basile, R. F. Beardsley, W. R. Marshall, and W. J. Laise.

Selection of the class jewelry will be the responsibility of L. I. Thomas, chairman, R. E. Maxant, E. F. Wagner, G. Palka, L. Johanson, and L. Wiltrakis. Arrangements for the acquisition of Caps and Gowns will be in the hands of W. J. Chelgren, chairman, E. Hansen, W. Litwin, S. Osri, J. F. McIntyre, and G. Ives.

All senior class pictures and picture selection will be made by L. Lange, Chairman, H. B. Nicholas, W. E. Velvel, F. A. Palonis, I. Gebel, and E. Skeppstrom. Announcements concerning the graduation ceremonies and all student announcements concerning the entire senior class will be made through H. J. Bodnar, chairman, S. Gryglas, R. Duffy, H. G. Downing, S. M. Johnson, and T. F. Cunningham.

Tau Beta Pi Delegate Impressed by Texas

Editor's Note: Henry Bodnar, president of Illinois Beta Chapter of Tau Beta Pi, comments on his trip to the Tau Beta Pi convention at Austin, Texas last week.

Texas University is rightfully called "the most beautiful school in the South." The majority of its buildings were erected during the last ten years. Its campus features artistic landscaping, lily ponds, statues, arbors, and patios.

One of the most beautiful and useful building is the Students Union which includes, among other attractions, a spacious lounge well provided with couches, easy chairs, ash trays, and all the other comforts of home. The front of the room is cleared for dancing with a nickelodeon providing the music. Introductions to coeds are unnecessary. The only requisite is the ability to say, "Hello. Dance?"

Texas girls are beautiful, attractive, friendly, and cordial. Most of them are habitual smokers, but very few drink anything stronger than soda pop. Short skirts predominate and hats are rarely worn.

Sororities charge \$75 to \$150 for initiation. Many sorority members have cars and were not averse to letting convention delegates use them. Full advantage was taken of all opportunities offered.

Civil Drafting Room Painted, Remodeled, and Refurnished

Among the improvements taking place throughout the campus, the fixing up of the civil drafting room deserves notice. The room was painted and calcimined and new furniture and lights have been installed.

The roof on Chapin Hall is being renewed and the seats in Science Hall have been numbered to make it easier for professors to take attendance.

Engineer to be Distributed Soon

This year's first issue of the *Armour Engineer and Alumnus* will be distributed to students before the end of this week, according to its editor, Professor Hendricks. A variety of articles will be featured in the issue including development of the lake front, football, engineering, and the new professors at the Institute. The circulation will be over twenty thousand copies.

The feature article will be by an Armour graduate, F. G. Heuchling, an assistant executive with the Chicago Park District, who will discuss "Chicago's Lake Shore Development." His article covers the new outer drive bridge and its relation to Chicago's lake front.

Professor Schommer, athletic director of the Institute, has written an article entitled "Interference on the Forward Pass." Professor Dutton will discuss "The Engineer in the Business of Living." Articles by Professor Finnegan and Professor Peebles will also be in the issue.

Another important feature of the coming issue will be sketches of the new professors at Armour. A photograph and a short biography of each new professor will be presented.

Famous Arctic Explorer Discusses Feasibility of Transpolar Airlines

"I was going to say 'Ladies and Gentlemen,' but there are no ladies."

With these words, spoken with subtle humor that was hidden under the graciousness concomitant with intense experience, Vilhjalmur Stefansson, eminent explorer, opened an interesting lecture on transpolar commerce by air.

"Man started in the tropics," he said, "and a study of the center of military power throughout the ages will show that it has gradually advanced northward." He continued, saying that a change of climate inevitably meant a change of mind; a change of ideas and ideals. Similarly, transpolar commerce by air, since it involves change of climate, means a change of mind. Thus there is not much hope of developing such commerce immediately.

Many Lakes in Summer
One instance of this is the difficulty of summer transportation produced by innumerable lakes, which form because of a permanently frozen subsoil. The result of this is that ice forms the only practical means of travel. Hence walking on water is a miracle in tropical zones, but commonplace up north.

Dr. Stefansson went on to say that another difficulty is caused by the widespread use of Mercator projection maps. Gasps, snickers, and exclamations of surprise were heard rippling across the auditorium, as he showed the silhouette of a man projected a la Mercator.

He emphasized the shortness of transpolar routes from continent to continent, saying that an island north of Siberia is halfway between

Shaffer and Zoellner Are Chosen to Fill Freshmen's Temporary Class Offices

Last Friday the freshman class held their first meeting for the purpose of electing temporary officers of their class. Philip Shaffer was elected chairman by a large plurality, and Rudy Zoellner was elected class secretary.

When nominations were opened by C. W. Dunbar, who presided for the first part of the meeting, the air was instantly filled with raised hands and cries of "Mr. Chairman!... Mr. President!... I nominate...". Finally the following were nominated for chairman: P. Shaffer, R. Graham, G. Gardes, G. Hamilton, K. Myers, and J. Alschuler. Following this, H. Lightstone, E. Steinke, and R. Zoellner were nominated for secretary.

Sophomores to Hold Election Next Friday

Arrangements for their coming class election was made by the sophomore class at their first meeting last Friday morning in the fifth floor drawing room. A primary election tomorrow will determine the candidates to win the final election on Friday, two students to be chosen for each office.

A committee composed of S. Silverman, W. Dolder, R. Smith, P. Smith, A. Winkler, J. Catlin, and D. Wessels, is collecting the names of the prospective candidates and will have charge of the primary and runoff elections. The committee has announced that all those who wish their names to appear on the primary ballot must submit them before 1:00 today.

During the discussion at the meeting an attempt was made to introduce a commission form of class government consisting of a president elected by the class at large and a representative from each department of the class. The proposal caused considerable comment but was rejected by a decisive vote. It is probable from the trend of the arguments, however, that next year another attempt will be made which might result in a shift from the traditional form now used to the commission form of class government.

Washington, D. C. and Honolulu, and that the shortest route from San Francisco to Paris is via Oregon, Hudson Bay, and Iceland.

Light Enough for Football
"It is not nearly as dark at night in the polar regions as it is here," said Stefansson. "A full moon gives sufficient light to play football or baseball." He also mentioned the greater ease with which an airplane can take off in cold air than in warm. Cold air is also clearer, as a rule. The big problem is how to enter the Arctic at one end, and leave from the other.

After the lecture, he showed illustrative slides, some of beautifully colored flowers of the North, among which were daisies. These photographs were colored by a biologist who went with Stefansson on his third expedition.

Professor Libby's Refrigeration Talk Is Ninth of Series

Edwin S. Libby, professor of refrigeration engineering, was guest scientist last Saturday night on the ninth program of the radio series sponsored by Armour Tech through the cooperation of the Adult Education Council of Chicago over radio station WCFL. His topic was "Modern Refrigeration."

In his interview with interlocutor A. P. Schreiber, the growth of the artificial ice industry was traced. In 1890 a shortage of natural ice gave stimulus to the industry even though the principle was recognized as early as 1755 and even though Jacob Perkins invented the first compression machine using that principle in 1834.

Professor Libby discussed the principle of mechanical and absorption methods of refrigeration and stressed the importance of choosing the proper refrigerants. He stated that commercial units do not differ basically from the domestic refrigerator—but in most industrial plants an indirect system is used, that is—brine is cooled by means of a refrigerating unit and then is pumped through pipes to cool the storage rooms.

PLEASE

Enough copies of the 'News' are printed each week so that each student may have one paper. Many students do not receive their copies because of a thoughtless few. Please take only one next time.

Senior Social Season to Start in December

The senior class under the guidance of social chairman Bob Worcester is making plans for its first dance of the season. The dance, which promises to be among the swanky affairs of the year, will probably be held the week-end of December 10, the place and orchestra not yet having been decided upon.

Instead of the usual complimentary bid for every ten bids sold a complimentary bid will be given for every seven bids sold.

The social committee has not decided yet as to whether the dance should be held on a Friday night or a Saturday night. Anyone who has any preference on the subject is requested to discuss this matter with any of the members of the social committee.

Arx "Carrossel" Set for Nov. 19; Music by Phillips

The Armour architects are anticipating one of their most successful dances in the "Carrossel", the first major social event of Armour this fall. Even at this early stage the architects are beginning to reminisce of the swell times they had at the former dances and those who missed the former dances are vowing to enjoy the present celebration. The architects have always been proud of their annual fall dance and with just cause, for every dance of the past years has been a huge success.

Students who attended last year discussed for many weeks afterward the general atmosphere of gaiety surrounding the affair. Those who did not attend became aware of the fun they missed and many regretted too late. The present dance was named the Carrossel this year because it intended to be just what its name signifies—one merry-go-round of fun. The arrangement committee urges students of all departments and their friends to attend.

The dance committee has been busy the past few weeks in arranging all the details. The dance will be held in the Electric Club in the Civic Opera Building, 20 North Wacker Drive, on Friday night, November 19, the week preceeding the Thanksgiving holidays. Dance music will be furnished by Bob Phillips and his orchestra from nine til one. Bids are \$1.50 and will be on sale very shortly. They may be obtained from any member of the architectural department. Solicitations are scheduled to begin as soon as the bid and poster design of Armour students are selected. The deadline for entries has been set for 11 a.m. today. Selections and winners of the prizes will be announced shortly.

W. Wagner and J. Rea, members of the committee, warn all Armourites to be ready with iron-clad excuses if they don't wish to attend the affair. "Please don't say that you can't dance," they warn, "That is no reason why you shouldn't participate in the fun. You may be sure that for every reason you may submit for not attending the dance, Bill and John will propound two reasons why you should attend."

Chess Players Progress in Championship Tournament

Chess players, attention! The yearly tournament to determine the relative standing of chess players in the school is now in progress.

Every day during the noon hour, students interested in playing chess are invited to chess club headquarters in the civil drafting room, 4th floor of Chapin hall. Here the masterminds who determine the fates of the pawns and the soldiers can munch their lunch and play at the same time.

A. Rune, club president, announces that the rankings of the players will determine the personnel of the team for the coming year, which is to meet such opponents as University of Chicago, Northwestern University, Wright Junior College, and others.

Junior Class Elects Kruse Head Officer

Installation of Officers Held Last Friday; Smoker Nov. 24

Willard E. Kruse was elected president of the junior class last Thursday, defeating T. Collier, his opponent by a vote of 85 to 41.

Kruse is a pitcher of the Armour baseball team, a member of the Alpha Chi Sigma, professional chemical fraternity, and has been A. T. S. A student representative for the past two years. T. Collier, C. E., who is a fairly new student at Armour obtained a relatively large number of votes in the primary election, and therefore helped eliminate a large number of popular men from the runoff election.

Mitchell—Vice-President

The other officers elected were E. C. Mitchell, former president, who defeated L. Ropak for the vice-presidency 69 to 54; P. Peltier, who was the victor over H. C. Anderson for the office of secretary 87 to 37; L. Bain who beat H. C. Soukup for treasurer 77 to 48; and B. G. Anderson, who triumphed over C. Reh to retain his old position as social chairman 98 to 27.

Willard Kruse, newly elected president of the junior class, wielded his gavel for the first time last Friday morning at a meeting held for the purpose of installing the officers elected last week.

H. S. Anthon, retiring treasurer, gave a short report concerning the station of the junior class treasury. Five-hundred dollars remain in the treasury, including forty dollars' loss on the free smoker held during the summer.

Lawson "Y" or Steuben Club

B. G. Anderson, who was re-elected as social chairman, announced plans for a closed dance and a smoker, one or both of which will be held during the fall.

The smoker will be held November 24, the Wednesday before Thanksgiving at the Lawson "Y" or the Steuben Club. The Junior Formal will be held on February 25.

President Kruse, during his inaugural speech, called attention to the fact that the newly elected officers will carry out their duties as officers of the class, and not of the departments.

H. A. Vagtborg Made Associate Director of Research Work

The newly created position of Associate Director of the Research Foundation has been filled by Harold A. Vagtborg, associate professor of Civil Engineering. The appointment was approved by the Executive Committee on October 18. Professor Vagtborg will assist Dr. Poulter in much of the executive work of the foundation.

Other newcomers to the Research Foundation are: Dr. P. L. Copeland, of the physics department in the electronics laboratory; Dr. F. W. Godwin, who will carry out coal research work; Dr. L. E. Grinter and Mr. C. O. Dohrenwend who will do research in the civil engineering field.

Many of last year's projects are being continued this year. Among the work going on at present are: the coal research, automotive engineering, high pressure work, and stoker development being done in connection with the Whiting Corporation.

According to Dr. Poulter, about fifteen or twenty new projects are being contemplated for future work. At present however no information is available as to what may be chosen.

TAU BETA PI

This is the first in a series of articles on honorary fraternities at Armour.

"To mark in a fitting manner those who have conferred honor upon their Alma Mater by distinguished scholarship and exemplary character as undergraduates in engineering, or by their attainments as alumni in the field of engineering, and to foster a spirit of liberal culture in the engineering colleges of America" is the purpose of Tau Beta Pi, national honorary engineering fraternity as given in the preamble of its constitution.

The Tau Beta Pi association was founded at Lehigh University in 1885 by Edward Higginson Williams, Jr. In 1906, Armour Tech's chapter, Illinois Beta, was founded.

Two elections of new members are held each year, the first within one month after the opening of the college year and the other within the first month of the second semester. At the fall election, juniors in the upper eighth of the class and seniors in the upper quarter of the class are eligible for membership. Juniors elected at this time are called "Honor Students." At the spring election, juniors in the upper eighth of their class and seniors in the upper quarter may be elected.

In electing men to Tau Bete due allowance is made for students who are self-supporting. After considering scholastic requirements, the selection is based on breadth of interest and unselfish activity in extra-curricular activities.



Enthusiasm over Student Union Needed

Plans are being formulated among one of the engineering departments to provide a lounge for its members in a suite of rooms in the south end of Chapin Hall. Expenses and upkeep for this venture are to be donated by department members.

Such a move would be detrimental to the well-being of the Institute. In time, it would be a case of each department competing against the others in elegance of lounge rooms. As it is, at the present time, departmental and interclass competition is strong enough. In addition such a plan of departmental lounges would work up to an expensive competition.

The most practical and logical solution is to provide a general lounging space for the entire student body; a place where the student could recline in comfortable chairs, have a chance to peruse current magazines and listen to popular programs or athletic events over a radio. The ideal location for such a lounge is the Mission building. The addition of a spacious lounge together with the Faculty Club, the lunchrooms, the bookstore, and the assembly hall would make the building into a perfect Student Building.

This plan of a Student Union is not inconceivable. The few class rooms that are now in the Mission Building could easily be replaced by new rooms in Chapin Hall. The drafting room would be changed to the lounge, and other rooms scattered through the building would make conveni-

ent meeting places for various organizations in the school.

If such a plan receives the recommendation of the authorities, it would be reasonable to assume that students and alumni should share the expense of this undertaking. Needed now is the enthusiasm of the students over the idea and the showing of their willingness to cooperate with the school if called upon.

From Druid Fires to Hallowe'en

Halloween is observed today in much the same manner as it was centuries ago in the British Isles, but is practically devoid of the superstitions which brought about the strange festivities.

The night is called Halloween because it precedes All Saints' Day, which was known as All-Hallows, All-Hallowmas, or Hallowmas in old England. All Saints' Day was instituted by Gregory IV in 835 because of the impossibility of keeping a separate day for every Saint. There were not even enough hours in a year to distribute among the canonized.

It being a policy of the Church to supplant heathen by Christian observances, Halloween was made to fall on the same day, October 31, as the ancient festival of the Druids, those strange priests of Northern Europe.

At this festival the Druids built fires on hill-top altars in Britain, France, and Ireland. This fire was carefully kept alive all year, and on the day of the festival, Druids and their people gathered at the hilltop altars from all around. The Druids encircled the fire, and, at a signal, quenched it amid the absolute silence of the assembled people. Then the fire was rekindled and the people gave a great shout. That night the fire was extinguished in every home and rekindled with fire from the Druids' altar. This protected the household from harm throughout the following year.

As late as the seventeenth century, farmers used to walk around their fields on that night carrying a lighted torch and chanting the proper words.

Many Halloween customs still survive. Of course no one believes that by cracking nuts, ducking for apples, pulling kale (a sort of cabbage), or eating an apple before a mirror will induce the spirits to divulge their secrets, but the pleasant revelries survive. In England, Scotland, America, Australia—everywhere the Saxon tongue is spoken—these Halloween festivities are kept up by young and old.

Great bonfires are still kindled, and, as the flames give way before the mysterious embers, weird ghosts dance around the fire on the tongue of the best story-teller of the group.

One of the Halloween frolics of small Scotch boys has long been "turnip bogies." Each boy selected the largest turnip he could find and hollowed it out and cut eyes and mouth in it. A candle was placed inside, making the "bogie" so successful that it persists as a jack-o'-lantern today.

A Synonym for Work

To soothe the troubled minds of seniors who have noticed that there is no full time placement officer, the Board of Trustees is now considering the problem.

Placement of students and alumni is a part of the school program. With the details necessary and the time required to interview heads of the personnel departments of industries, a full time man is preferable.

However, if seniors do not fill out placement forms with the picture attached, the placement office is helpless. When would-be employers look over the records around February, many of the forms are missing or without pictures. Getting work and filling out placement forms seem to be synonymous.

Oh, We Don't, Don't We?

Rousing, enthusiastic applause at the close of Dr. Stefansson's colorful presentation of his adventures in the land where cold shoulders are the natural thing, bore anything but mute evidence that such assemblies are vigorously appreciated and much to be desired.

When Dame Education comes to us in so pleasing an attire, man, we're dating her steady!

A shortage of football shoes will apparently force a large portion of the Gooding College football team to play barefooted. The "large portion" being George Blankley, who stands 6 feet 3 inches barefooted—barefooted because he needs a size 14 football shoe.

The Slipstick

Cleave to the slipstick; let the slapstick fly where it may.

'Mornin', fellahs! The indiscriminate and liberal distribution of broken noses, weirdly shaped knog-gins, and the flapping of dislocated wrists and independent knee-caps is sure-fire evidence that foot-ball is definitely with us . . . in fact, all over us. We have succeeded in stealing, at great effort, no expense, and at no little risk, a Chinese poem of infinite charm and tenderness giving a chop-suey version of foot-ball as it is today. We proudly present.

Velly noisy yellee
Muchee kickee blawl
Lunny down to chusee
Makee enemy glawl.

Buttee in le tummy
Clackee on le shin
Pilee on like woodpile
Tuckee shirt-tail in.

Catchee 'lound le windtipe
Gougee in le eye.
Jumpee on to holdce
Smashce like le fly.

Pushee in le wishbone
Pullee on le leg.
Make nose all over face
Scrambled like le egg.

'Melican give to football
All he have to give.
Chinee stick to washee job,
He still wish to live.

News Item.—Explorer has discovered an African tribe of men who beat the ground with sticks as a sign of anger.

Well, for the love of Frankenstein! So they play golf in Africa, too. . . .

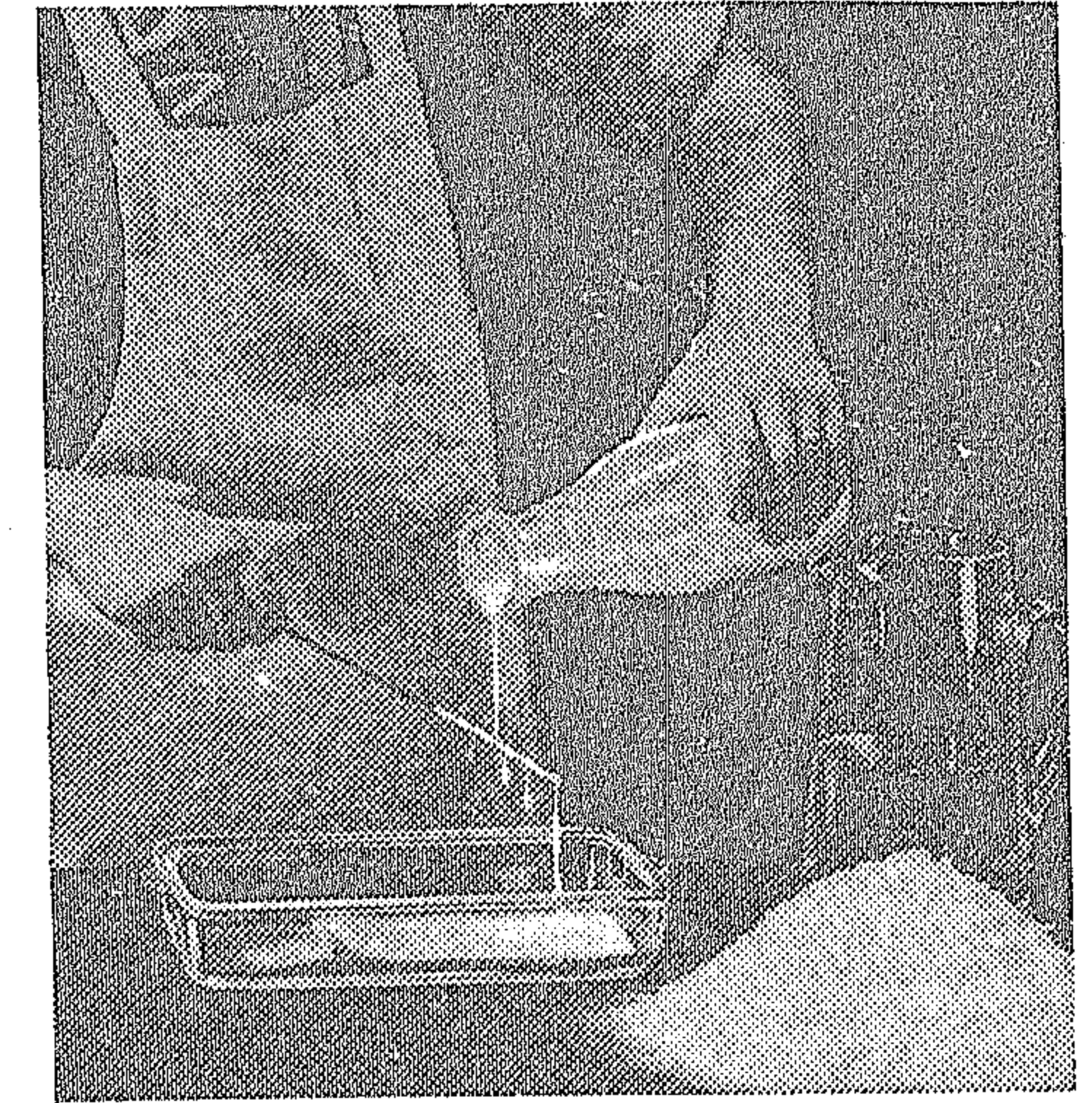
Silas Clam
Lies on the floor.
He tried to slam
A swinging door.

Young lady (on first ocean voyage): "Could I see the captain?"
Steward: "He's forward, Miss."
Young lady: "I'm not afraid. I've been out with college boys."

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

We'll be seein' you under the goal-post. You'll recognize us by the red nose in our face. Rah, rah!
Eejaay.

The Last Word is never spoken at Western Electric



The urge to "make it better" is always there

WHEN you approach old problems with a fresh viewpoint, you often get outstanding improvements.

For example: wires for telephone cable had long been insulated by a spiral wrapping of paper ribbon.

Refusing to accept this as the "last word," a Western Electric engineer mixed a wood pulp solution in a milk bottle—poured it on a wire—the pulp stuck. The systematic development of this idea resulted in a new and more economical insulating process—making an insulating covering of paper right on the wire!

Such originality leads to improved manufacturing processes and better telephone apparatus for the Bell System.

Manufacturing Plants at Chicago, Ill., Kearny, N. J., and Baltimore, Md.



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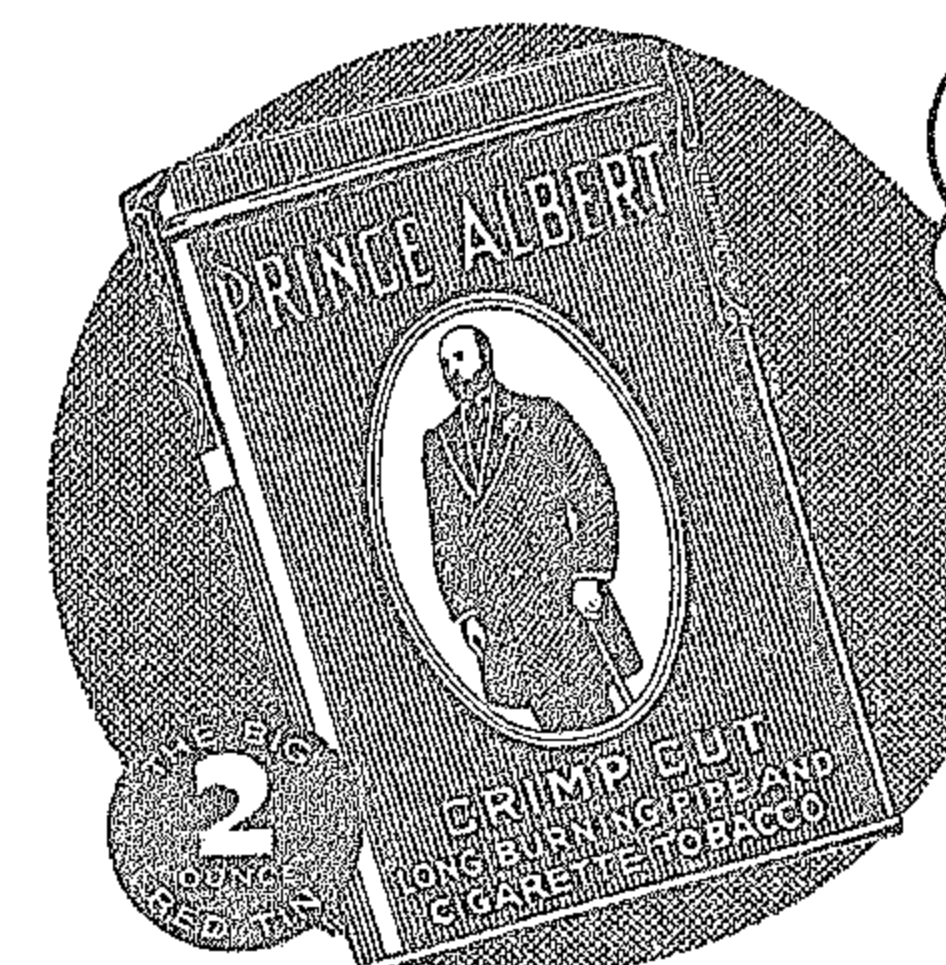
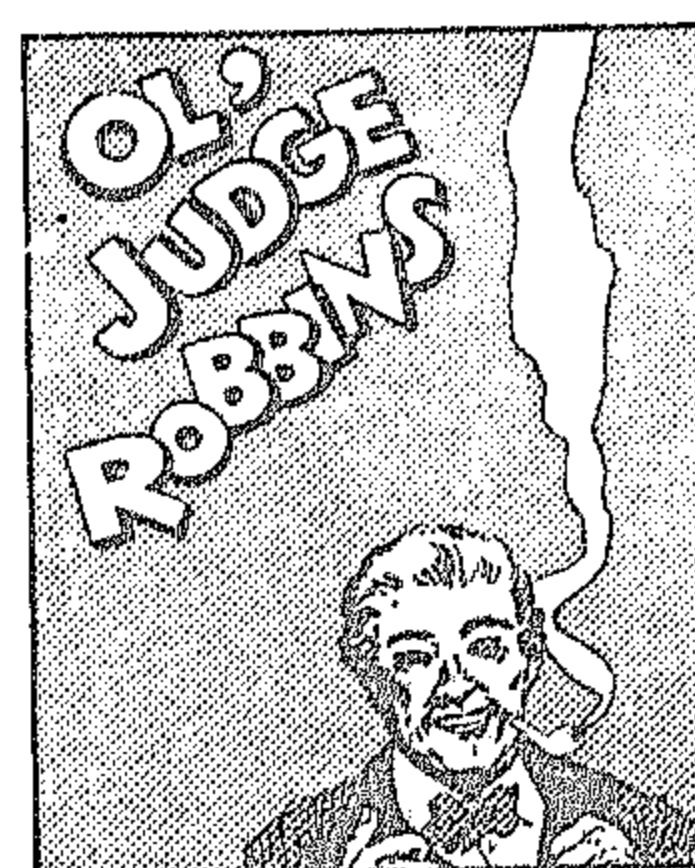
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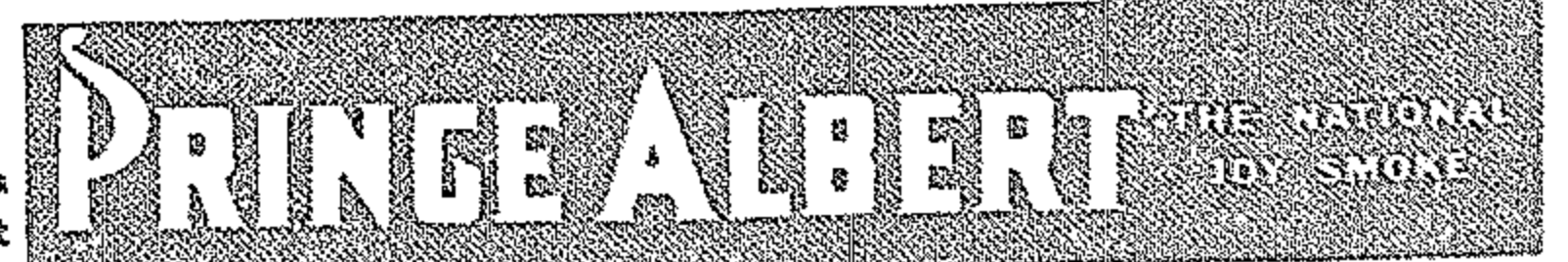
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YOU WON'T MIND BREAKING IN A PIPE WHEN IT'S FILLED WITH PRINCE ALBERT. P.A. IS EXTRA-MILD, THANKS TO THE NO-BITE PROCESS WHICH TAKES OUT HARSHNESS. P.A. PACKS RIGHT—BURNS SO COOL AND EVEN, DUE TO THE CRIMP CUT

SMOKE 20 FRAGRANT PIPEFULS of Prince Albert. If you don't find it the mildest, tastiest pipe tobacco you ever smoked, return the packet tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage. (Signed) R. J. Reynolds Tobacco Co., Winston-Salem, N. C.

Copyright, 1937, R. J. Reynolds Tobacco Co.



Week Sees Eight Hectic Battles in Intramural Touchball Tourney

One Team Is Eliminated from Play

Opening a strenuous week of touchball play, under the philosophy of "survival of the fittest", the senior fire protects defeated their junior brothers 12-6 and eliminated them from the race. The Wednesday morning game was the first of the week owing to the heavy rains of Monday and Tuesday.

The senior squad rolled up to its twelve points in the initial period. With the aid of the wind, Downing heaved a long pass to Dunbar in the end zone. The effects of the wind were deeply felt when Swanson's kick sailed high in the air and returned to his ten yard line. From here Dunbar swung around left end for the touchdown.

In the final period, the juniors held their senior rivals scoreless, but were able to score only once. Gilbert intercepted a pass on the 15 and put his team in scoring position. Swanson received the snap, and grazed one over the hands of Downing into the welcoming ones of Finnegan. The juniors had several chances to keep their standing in the tourney, but muffed.

Senior Chems Beat Civils, 20-0

Schmiers of the senior class walked over the sophomore civils last Thursday morning, 20-0. The four tallies were made with variety, including a touchdown pass, run, lateral, and an additional safety.

Green dropped back and threw a long pass to Dunne in the end zone in the first two minutes of play. The chemicals maintained their lead throughout the first period and waged a final running attack. Marshall took the ball around right end, and with good interference, carried the ball three fourths of the field for a touchdown.

In the second half, Deuter rushed through the soph line and nabbed the runner in the end zone for two more points. The final score by the seniors was made on a snappy lateral play. Bodnar started with the ball and slung the bladder to Kubik, who ran one third the field for the touchdown.

Chems Upset Senior Mechs, 8-6

Six junior chemicals plus a lot of spirit, combined with good football, were enough to down the senior mechs 8-6 last Thursday noon. The senior mechanicals, runners up in last year's tourney were slated to take the interdepartmental championship this year, with the junior schmiers a close second. However, this mid-tournament upset gives the men of '39 a decided edge.

In the midst of the first half, the juniors gave the tool men a scare by intercepting and returning the ball to their ten yard line. Bingham turned the tables and intercepted the next pass on his own five, running it back five more yards. The prettiest pass of the game came with Seidenberg's long heave to Roche on the juniors' six yard line. Skeppstrom, playing sleeper, took an easy pass from Seidenberg to score the first touchdown.

Only a few minutes of the half remaining, Rothenberg took the kickoff back to midfield and then heaved a perfect pass to Ryan on the mech ten. On the last play of the half, Adeszko dropped a short pass over the center to Lyckberg inside the end zone, and the score stood at 6-6.

Near the end of the second period, the juniors gave the ball to the four year men on their own seven yard line. The deciding play came when Seidenberg, over-anxious, let the pass from center slip through his hands. He promptly booted it into his end zone, and rushed by Lyckberg, had to cover it for a safety. Score—juniors 8, seniors 6. Only a few minutes to go, the schmiers took the free kick, ran three plays for no gain, and then punted to the seniors as the final whistle blew.

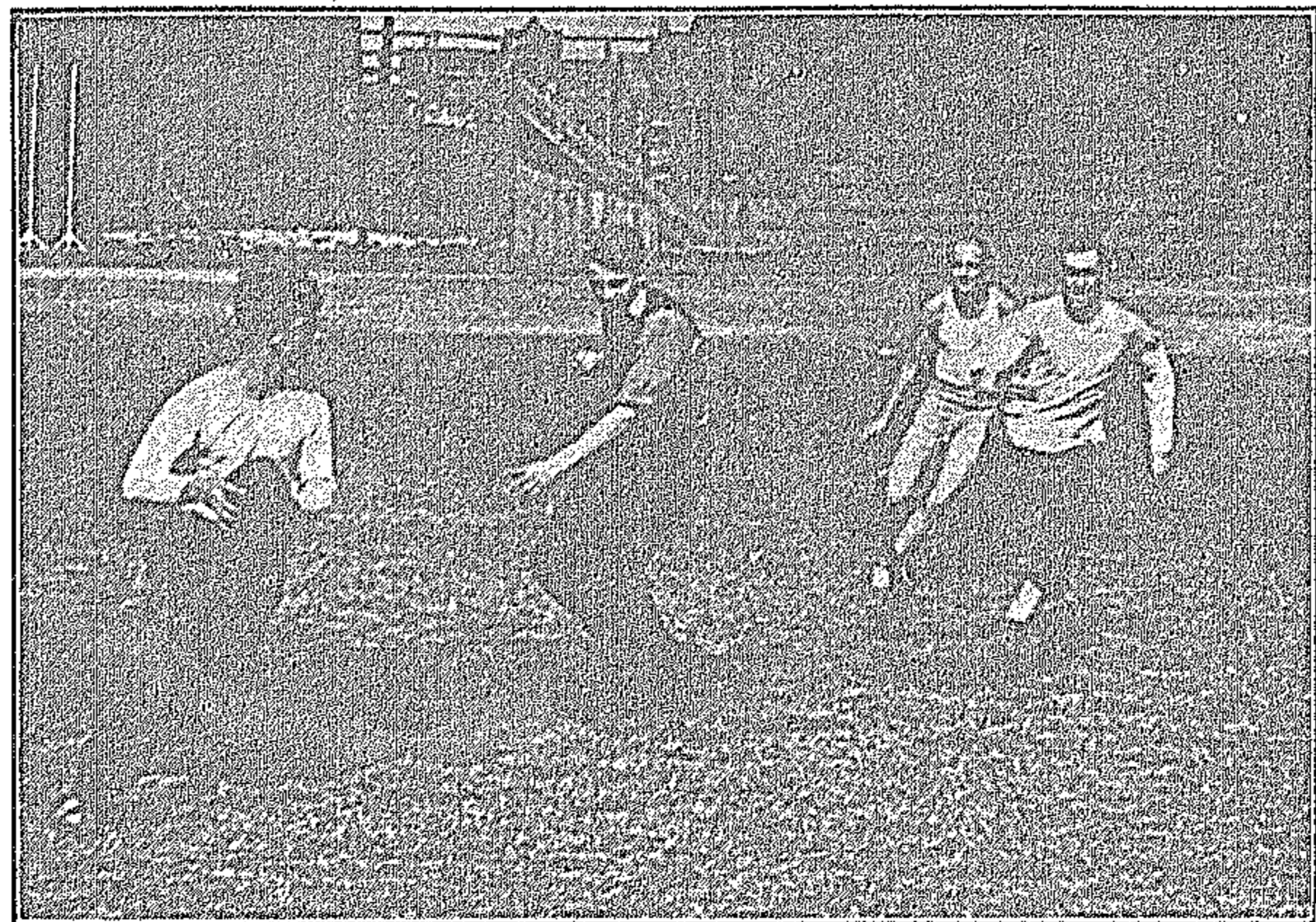
Soph Schmiers Win 24-0

The chem '40 team continued its list of victories Thursday by defeating the Austinites, 24-0.

As soon as the Austinites had kicked off, the sophs sensed victory. Carpenter heaved a long pass to Natinchek, in the end zone, and the first six points were theirs. On the kickoff, the Austinites fumbled, and the chem '40 recovered. After an incomplete pass, Carpenter passed a short lob to Fahey, who continued

unmolested to the second touchdown. The frosh attempted a few plays that seemed to work, but all were futile. As Carpenter intercepted a flat pass and with nice blocking ran for the Chemicals' third score, the half ended.

In the second half, the Austinites improved on defense and pressed the Sophs a few times for fair gains. The last score came soon after the half had started. On the kickoff, Norkus passed to Grigas to midfield.



A bit of action in one of the semi-finals of last year's contest between the junior and senior Mechs. They fought to 6-6 tie. A few days later the juniors lost to senior chemicals in the final.

On a reverse, Carpenter threw one to Norkus, who let it dribble through his outstretched fingers into the arms of Grigas in the end zone.

Sophs Hold Mechs Scoreless

Last Friday morning was "Tag Day" on Ogden field for the senior mech and the soph chemical squads, with both teams "tagging" hard and furious. For the hard, fast brand of ball these fellows played, the game was quite sportsmanlike, notwithstanding the screams of "Foul!" and "Interference!" that rent the otherwise peaceful morning air.

The seniors kicked off against a stiff wind and Norkus ran the ball back ten yards into the reach of

Seidenberg. The first break of the game went to the mechanicals when Simeon recovered a blocked kick on the chemicals' own 15 yard line. Carpenter shattered the mechs' hopes at this early stage by intercepting a pass and led his team to the mech 20 yard line, but no farther. The mighty blasts of the wind were too much for both teams. It was this fact that accounted for the scoreless tie that existed at the half, and as it later developed existed at the final whistle.

Carpenter kicked off for the chems at the half way mark with Bingham running the ball back. Two long

passes, one successful and the other knocked down by Natinchek, gave the chemicals cold chills.

With the wind to their backs the mechs pressed hard and hot on their objective, but the chems held nicely turning back one threat after another. Interception, always nice to watch, gave the thrills otherwise lacking because of no scoring. The curtain was rung down with two goose eggs on the score board, as Seidenberg made a final but futile dash for the goal.

Senior Chems Rampage 36-6

In the final game of last week's touchball schedule, the senior chemicals (Continued on page four)



Despite the rain and cold weather of the past week the football enthusiasts carried on, completing eight games. If only the tennis enthusiasts (?) would follow suit mayhaps we could get this tourney completed without so much delay.

* * *

With one exception, the sophomore electricals, the school has turned out 100% for touchball, four teams having materialized out of the frosh class, along with last week's entry of two co-op squads.

* * *

Although to date only two teams have been forced out of the tourney, next week is sure to bring results. No less than twenty-one games have been scheduled, and according to manager Chelgren they will all have to be decided, win or tie, even if a flip of the coin has to be brought in.

* * *

From the team standings so far it looks as if the chemicals want to make the tourney a departmental affair, the juniors and sophs having each won three contests, while the seniors have won two.

* * *

While the latter have won only two games, they have showed themselves to be a very serious threat, coming home with a total of 56 points for the two contests to their opponent's six.

* * *

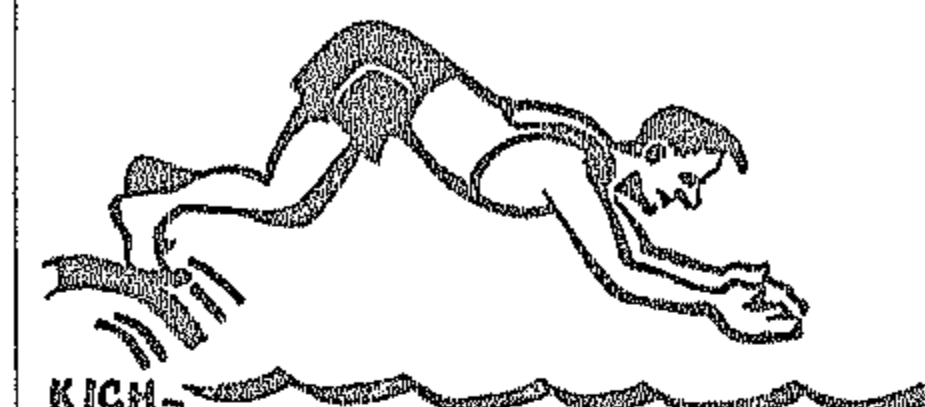
They also made a record in their Friday game that will be hard to emulate, making two touchdowns on two plays to open the game, one on a sleeper pass and the other on a clean end run.

* * *

Looking over this week's schedule for hot games we look forward to good contests between the senior fire protects and senior chems on

Swimming Team Plans Schedule for Coming Year

Although the swimming team has no definite schedule for the season as yet, plans are going forward for about ten or fourteen meets with other colleges this year. Of these meets all but about three or four will be in the University of Chicago's pool, which is used as the home waters of the Armour tanksters. One of the meets which is definite is with DePauw, a meet which is an annual affair. The team also looks forward to meeting some of the teams of the downstate colleges this year.



KICK—

With a good number of men out every night, the team is rounding into shape. All of the departments have been strengthened this year with the most noticeable improvement in the diving. The breast stroke can still use more men to further strengthen it. Manager Downing says the team is sorely in need of new suits. It is quite a shock for a man to dive and find out that he has a rotten cotton suit on.

Tuesday and the other chem clash on Thursday.

* * *

Lest we rave on and on about touchball, we might mention that the next on the list of intra-mural sports is basketball which begins with practice sessions today, the first game being scheduled for next Tuesday.

* * *

Varsity basketball practice is also scheduled to get started soon. To be more exact the squad will open practice next Monday in our own gym for a two week period and then move to their regular home grounds at the Armory.

TOUCHBALL SCHEDULE

Tuesday—	9:30 F.P.E. '38—Ch.E. '38
	10:30 M.E. '38—Co-op A
	11:30 C.E. '39—M.E. '39
	1:10 Austinites—Ch.E. '40
	2:10 C.E. '38—E.E. '38
	3:10 M.E. '40—Flashes
Wednesday—	8:30 Ch.E. '39—Co-op B
	10:30 F.P.E. '38—Co-op A
	1:10 E.E. '38—C.E. '40
	2:10 C.E. '38—F.P.E. '40
Thursday—	11:30 M.E. '40—Co-op B
	1:10 Ch.E. '39—Ch.E. '40
	2:10 C.E. '40—F.P.E. '40
	3:10 C.E. '40—Austinites
Friday—	10:30 M.E. '38—E.E. '39
	1:10 E.E. '38—M.E. '39
	2:10 E.E. '38—Ch.E. '40
	3:10 Ch.E. '38—F.P.E. '40

Class Cagemen Begin Practice This week

Interclass basketball, or murder in a matchbox, will be the next activity to come to life at Armour. Manager Chelgren hopes that there will be enough men left on the active list after a touchball tournament to take part in basketball. The tournament last year was won by the class of '37 in a rough-and-tumble contest against the class of '40.

Practice is to begin this week. A definite schedule for the practice is outlined below and will be posted on the bulletin board. The freshmen have an advantage in this tournament since letter men and members of the last year's freshman squad are ineligible. With these exceptions any members of the class are eligible for the team.

Practice Sessions—4:00 P.M.

Seniors.....	Tuesday, Oct. 26
Juniors.....	Wednesday, Oct. 27
Sophs.....	Thursday, Oct. 28
Frosh.....	Friday, Oct. 29

"IS IT GOOD BUSINESS TO BUY COSTLIER TOBACCOS FOR CAMELS?" —A QUESTION ASKED BY MANY PEOPLE

ANSWER:

Camels are the Largest-Selling cigarette in America



WILLIAM S. COREY, college student

"Camel's rich, delicate flavor appeals to a woman's taste. I smoke nothing else. So many of the girls in our crowd feel the way I do about Camel's being extra-gentle to the throat."

(Signed)

JOSELYN LIBBY, private secretary



"I can tell Camels are made from mighty fine tobaccos. There's a sight more goodness in 'em—natural flavor! I like my Camels at mealtimes too. They help my digestion keep on an even keel."

(Signed)

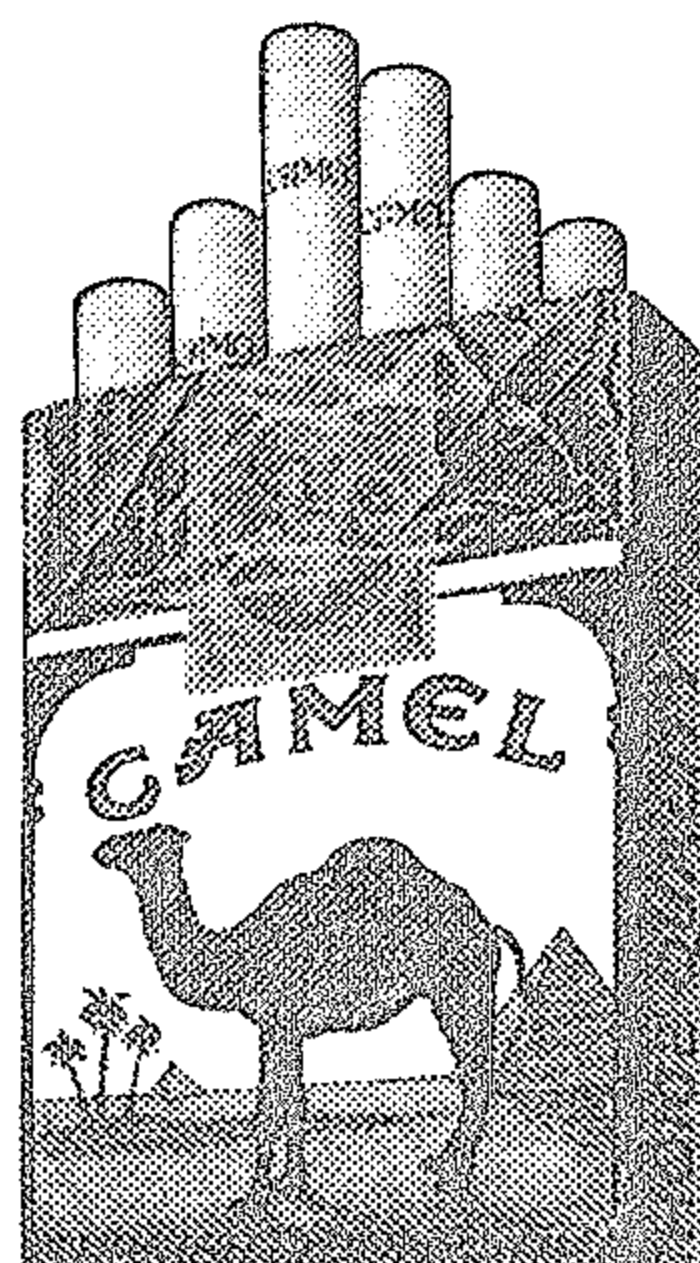
GEO. BUCKINGHAM, ship's engineer

Think of what this means! The greatest pleasure for the greatest number of smokers ever given by any cigarette

AND this didn't happen by chance. Camels are the largest-selling cigarette in America—and in the world. People can and do appreciate costlier tobaccos. Smokers trust those finer tobaccos in Camels to give them more of what they want in smoking. And that makes Camel's policy of spending millions of dollars more for costlier tobaccos "good business."

If you are not a Camel smoker,

try them. Millions have smoked them steadily—and have found more pleasure in Camel's costlier tobaccos.



NEW CAMEL CARAVAN

2 great shows in a single hour's entertainment!
Includes "Jack Oakie College" and Benny Goodman's "Swing School"! Sixty fast minutes of grand fun and music. Every Tuesday night at 9:30 pm E. S. T., 8:30 pm C. S. T., 7:30 pm M. S. T., 6:30 pm P. S. T., over WABC-CBS Network.



"I love the taste of a Camel. They're so mild. Even after steady smoking I notice no 'cigarette' after-taste."

(Signed)
MRS. ANTHONY J. DREXEL 3D

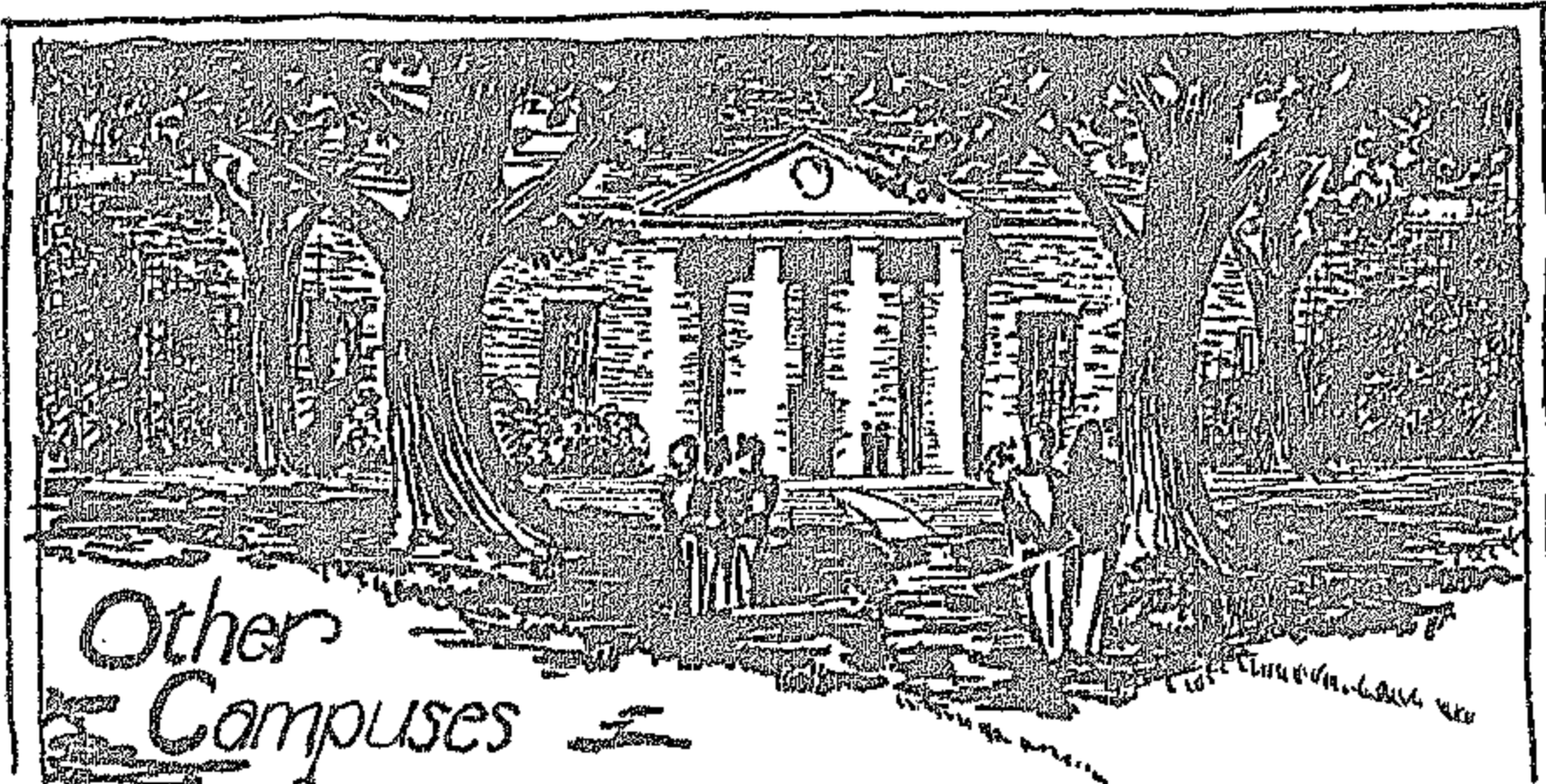
"I'm a steady Camel smoker. Camels are different from other cigarettes. I find that they have the mildness I demand in a cigarette. When I say that Camels don't frazzle my nerves it means a lot."

(Signed) LEE GEHLBACH, famous test pilot



COSTLIER TOBACCOS IN A MATCHLESS BLEND!

Camels are a matchless blend of finer, MORE EXPENSIVE TOBACCOS—Turkish and Domestic. The skillful blending of leaf with leaf brings out the full, delicate flavor and mildness of these choice tobaccos.



Twin ends on one football team! As if the game isn't tough enough already. The Orf brothers, identical twins, are out for the position of end at the University of Missouri, thereby making the coach's life miserable. It must be a strain on the passer, seeing double throughout a game.

Absent-mindedness does not belong exclusively to professors, as an audience at the University of Wichita's R.O.T.C. band concert learned. The clarinet soloist forgot to play until the number was almost over.

Add to foreign languages—collegiate "slanguage."

Storage—freshman who carries sophomore's laundry for more than the first month.—Louisiana State U. Zam—examination.

Dope—not you—meaning Coca-Cola. Ding—to black ball a candidate for fraternity membership.—Cornell University.

Hardware — fraternity jewelry. Oregon State college and most of the Big Ten schools.

Pitching Woo—known as petting, necking, or sparking in ye olden days. Ohio Wesleyan University, University of Kansas, University of Oklahoma and even Indiana.

Kee-Wee—Good, swell, or almost anything. Skidmore College.

Wolfin—Unusual for chiseling. We know.

"Hair-raising" was the comment of Prof. Anthony Zeleny of the physics department at the University of Minnesota, regarding the passage of a million-volt current through his body. The current, at 100,000 cycles changes direction so fast that it can do no harm, he explains.

Fossils of trilobites, a species of crab, 400,000,000 years old have been discovered by Dr. Lowell R. Laudon, professor of Paleontology at the University of Tulsa, Oklahoma. We've had some of that crab-meat with our last 35-cent luncheon . . .

Robert Burns Woodward, a chemistry major from the Massachusetts Institute of Technology, recently received the Ph.D. degree at the age of 20.

AND A GIRL WHO COULDN'T CARRY A TUNE COULDN'T BE EXPECTED TO BE ABLE TO TIME THE COOKING OF A MEAL PROPERLY, SAYS THE DEAN OF MUSIC AT DE PAUL UNIVERSITY. SO SWING IT, SISTER, SWING IT.

SIDELINES—

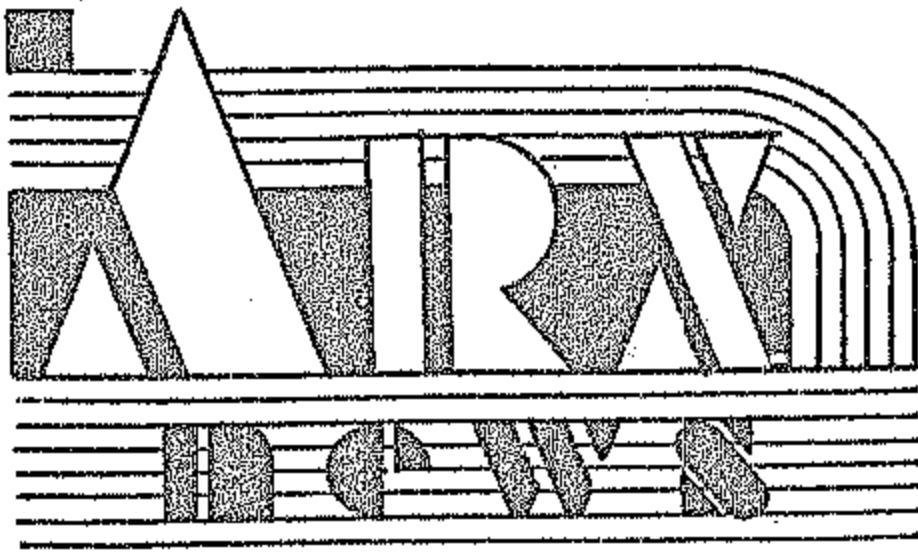
(Continued from page one)

program. This, however, offers no particular source of worry, since Germany can never hope to attain the tremendous amount of reserves she had in 1914. (3) Italy has been caught playing both ends against the middle. Mussolini's position is not to be envied, for, although he cannot permit Franco to lose in Spain—neither can he afford to finance him indefinitely.

THE ETHIOPIAN and Spanish affairs have drawn heavily upon the Italian war chest—so heavily in fact, that Italy finds herself in no position to finance a major war. (4) France will wait upon England, and although Russia has made it quite clear that she will no stand for losing any territory, both she and France are not to be considered as likely to start the next war.

THE MODERN TENDENCY is toward motorized warfare. This means an enormous consumption of fuel, metal, and explosives. To bear out any point I can cite one case in particular. In 1918 the Allies on the French front used 500,000 tons of fuel a month. Today Germany's entire fuel production per year only equals four-fifths of that amount. In the event of war, only Russia and the United States could supply the world market with the necessary fuel.

It will take real money to finance the next war, and both Hitler and Mussolini know it. This may be our salvation.



It's the "CARROSSEL" fellas—and it's not a pan-like arrangement to keep things warm or a debauché, but a care-a-sell or something similar in sound. You can call it a merry-go-round. Now that the naming part of the Arx Dance has been sent spinning, the jibe will be dished out by Bob Phillips and his chamber group. So pick your pony and spin around.

Just now the dance has become a secondary interest for all the men doing Class "A." TWICK DAV- IDSON evidently feels that he's got something since he brought his girl up to show her his problem. How does it look today Twick?

The Osterman story wins the prize for the best scotch joke. Listen—He collected all the public library cards that he could among all his friends and relatives then he got the \$5.00 book he wanted from the library and after renewing it once on one card he withdraws it on another and so on until the school year is over. What economy!

The best clay fight of the year started Thursday with the tossing of an infinitesimal piece of clay and ended up with huge clods flying thick and fast in Lindahl's direction. The same person who has been preserving the peace around these parts for years rushed into the battle and an armistice was immediately declared.

Do you realize that when you go down for a coke that you travel up and down 250 stairs! All this energy for one sip of slow poison. This is where I step off—

ART GUM.

Radio Communication Next A.I.E.E. Topic

"The Theoretical Side of Radio Communication as Applied to Broadcast Reception" will be the topics discussed by Mr. J. E. Brown at the next meeting of the American Institute of Electrical Engineers to be held Friday at 10:30 in the electrical lecture room. Mr. Brown, a former government radio inspector, is a member of the engineering department of the Zenith Radio Corporation.

Plans for the annual A.I.E.E. smoker were discussed at the last meeting, as were the possibilities of a joint meeting with the electricals of Lewis Institute and Northwestern University. The members also voiced their opinion as to the field of electrical engineering which they desired to have covered at future meetings. Radio ranked first in popularity.

The distribution of enrollment cards terminated the drive for new members. The large number of cards indicates that almost all of Armour's electricals are AIEE members.

Fraternity Warfare Begins On Gridiron

With the battle between the Rho Delt and Phi Kappa Sigma, interfraternity touchball got under yesterday on the Armour gridiron. The opening contest was scheduled for 4:30 yesterday afternoon. Sigma Alpha Nu and Theta Xi are slated for tomorrow at the same time.

Next Monday and Wednesday will see the other preliminaries, with the Phi Pi's trying to eliminate Pi Cappa Phi, and Triangle opposing the Delt squad. As the tourney is mapped out, the finals will be scheduled by Nov. 15.

Hold A.I.Ch.E. Smoker at State Motor Club

The A. I. Ch. E. will hold its first smoker of the season next Friday night, Oct. 29, at the State Auto Club. This smoker will be a Monte Carlo affair with such games of chance as roulette, baccarat, keno, casino, blackjack, and bridge being played. Ping-pong and billiard tables will also be available for the members to play on. A grand prize will be awarded to the winner of the most game money.

This affair has been planned and arranged by the Senior Program Committee consisting of B. W. Gamson, J. Kubik, N. K. Anderson and W. R. Marshall. Tickets will be sold at fifty cents each and can be obtained from any member of the committee and also from W. E. Kruse, B. K. Lyckberg, H. F. Neuman, and L. W. Norkus.

Touchball—

(Continued from page three)

icals set a new scoring record for the season. They passed, ran, and rushed their way to a 36 to 6 victory over the junior electricals.

No time was lost scoring. On the first play after the kickoff, a sleeper play worked when Kubik flipped one to Marshall for the score. The juicers kicked again and on the first play from scrimmage, Kubik aided by excellent open field blocking, ran 30 yards for another score.

So engulfed were the seniors by their rapid scoring, they forgot to try for points after touchdowns. The p. a. t. is a new rule and this was the first game it was to be used in.

On a fake run around end, Kubik passed to Bodnar for the third tally. After the ensuing kickoff, Green

Wrestlers Practice for Tough Schedule

With workouts every Monday, Wednesday, and Friday, the wrestling squad is rapidly getting in condition for its numerous meets. Not all of the schools have been heard from yet, but Coach Weissman expects replies in the near future.

He is counting on McDaniel and Adleson in the 118 pound class, and McDaniel, Basile, and Till in the 125 pound division. Captain Dunne leads the 135 pounders with Ropek following through for next year. Apparently the 145 pound class is the popular one with Hanna, Brandenburg, Jaffee, Myers, and Wagner seeking a berth.

Nigrelli, Bohaty, and Finnegan are working in 155, while Maxant and Rosany are ready to take on any 165 pounders. Tuilgren and Carlson maul around with each other in the 175 pound division. The heavyweight section is taken over by McIntyre and Balsewick. Altogether things point to a very successful season.

passed to Deuter for the fourth schmier touchdown.

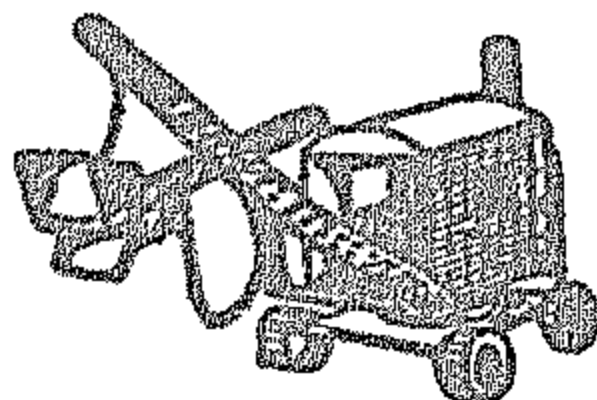
The second half scoring opened when after a few plays, Green intercepted a juicer pass and ran half the length of the field to make it 30 to 0. After a short scrimmage, Kubik intercepted an E. E. pass and on the following play tossed a short one to Green for the final chem score. In the closing minutes of the game, Byles of the juniors caught a long pass off the fingertips of Bodnar and crossed the goal for the juicers' lone tally.

ATTENTION SENIORS

Get your placement record photograph now. Special rates.

Fred M. Widell, Ch.E. '38

The Steam Shovel



"Doc" Catlin evidently thinks that Johnny "Extra-Razor" Balsewick has a tough brand of beard. He brought along 18 men to help shave the 74-inch Soph. Whattah pansy. It took 19 to get ours, and that was one of our off days.

"Duke" Evanoff, America's gift to the women, is naturally a heavy sleeper. He was grinding away in the last row of the metallurgy class at a hefty rate under the baneful glare of Prof. Carpenter until his beatific pan vanished from sight and threatened to bounce off of the be-splintered floor. The Prof, spotting the chortling cherub, roared a lusty, "What do you do nights, Mr. Evanoff?" The "Duke" awoke with a start, shadow-boxed violently for a moment, recovered and smiled weakly before falling asleep again.

HAROLD HEIDMAN, THE PERFECT MAN, IS SO IN LOVE WITH HIS RED-HEADED HEART THROB THAT LAST WEEK HE HAD TO SLEEP WITH GEORGE "CYCLONE-SLEEPER" PALKA OF MAYWOOD JUST TO BE NEAR HER! AH, ECSTASY!

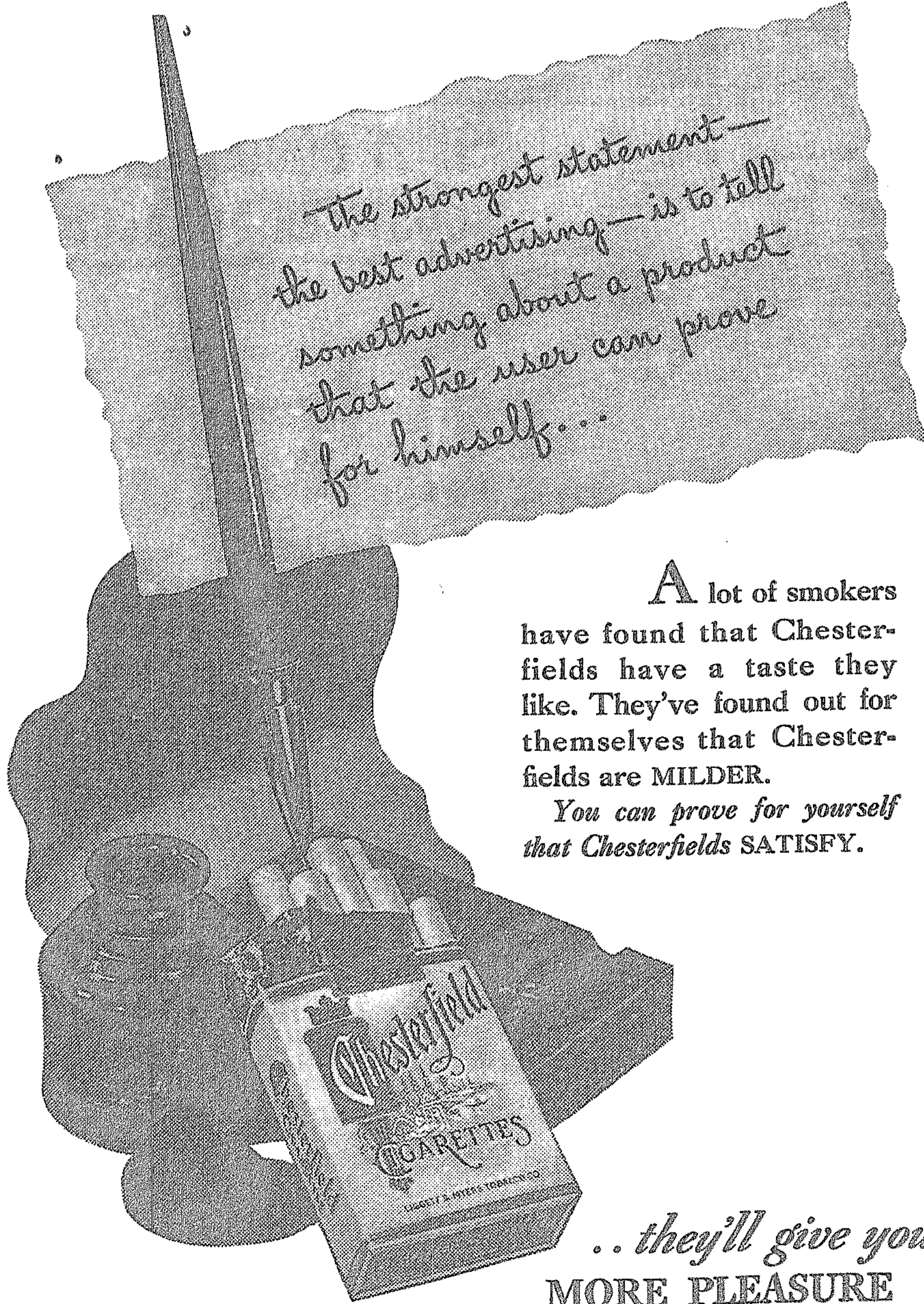
J. C. "Bright-eyes" Potter—"You sitting there see the light from my bright eyes and your mind receives the impression of these eyes. . . The light is from a virtual source—it's moving in the wrong direction to be coming."

Mrs. Orcutt—"If you cut your spinal cord from the back to the front and then look down on it. . ."

Researcher Levy (short-circuiting a motor and setting fire to the laboratory wall) — "this is the life — never a dull moment."

E. C. "Ham" Berger—"This is my first blind date, Mort. In fact, it's my first date, but I want her telephone number."

Joe "Spit-Curl" Sodaro was caught flat-footed reading "The American Hairdresser" during a juice class by his fellow "wire-chasers." Once around lightly, Joe!



The strongest statement—the best advertising—is to tell something about a product that the user can prove for himself. . .

A lot of smokers have found that Chesterfields have a taste they like. They've found out for themselves that Chesterfields are Milder.

You can prove for yourself that Chesterfields SATISFY.

.. they'll give you
MORE PLEASURE