



## TECH CHEMICALS GET CHAPTER OF ALPHA CHI SIGMA

### 39 Charter Members For Alpha Psi Chapter

#### INSTALLATION SOON

Alpha Chi Sigma, national professional chemical fraternity, has accepted the petition of the Flask and Beaker fraternity, and will install Alpha Psi chapter of the society at Armour within two months, according to a statement received from the national secretary. This will be the second chapter of a national professional fraternity to be installed at Armour; Scarab, professional architectural fraternity being the first such chapter.

Flask and Beaker came into existence in 1928 under the leadership of members of the senior class in chemical engineering. Its purposes were two-fold: to strive for the advancement of chemistry both as a science and a profession; and to foster a spirit of good fellowship among the students of the chemical engineering department. It is believed by the members that the affiliation with the national organization will aid in furthering these ideas.

From the start, it has been the purpose of Flask and Beaker to have a chapter of Alpha Chi Sigma at Armour. Last spring the formal petition was submitted to the fraternity, with the prospective establishment of Alpha Psi chapter as a result.

Alpha Chi Sigma has fifty-six chapters throughout the country; practically every institution giving a recognized course in chemistry having a chapter.

#### Charter Members

The local chapter will have as charter members: Professors C. A. Tibbals, A. H. Carpenter, J. J. Schommer, and W. J. Bentley; E. A. Armit, '28; R. N. Brown, '28; L. C. Brunstrum, '29; J. Crane, '28; G. A. Crapple, '28; J. J. Doherty, Jr., '27; M. P. Johnson, '28; L. A. Kramer, '28; M. E. Lovejoy, '27; U. G. Naef, '28; G. L. Parkhurst, '27; C. H. Seeley, '27; A. J. Stabovitz, '29; and A. D. Watkins, '27.

Other charter members will be: E. P. Boynton, '30; A. T. Martin, '30; C. E. Morris, '30; P. M. Ruzevich, '30; R. A. Shoen, '30; V. A. Sturm, '30; J. E. Tarman, '30; W. R. Trognitz, '30; J. J. Zolad, '30; F. B. Attwood, '31; O. J. Flala, '31; H. J. Latham, '31; I. B. Lehman, '31; L. V. Melcarek, '31; C. J. Starnberg, '31; O. R. Steinert, '31; A. F. Bigelow, '32; R. H. Blom, '32; J. O. Cavanagh, '32; O. G. Linnell, '32; G. J. Stockman, '32.

A smoker is being held at the Beta Psi House tonight, November 18, at eight o'clock, for the consideration of plans for the installation of the chapter.

### Teletype Is Part of Western Electric Co.

The Teletype Corporation, of which Howard L. Krum, E. E., '06, is vice-president, has been acquired by the A. T. & T. Co., and is now a Western Electric subsidiary. The Teletype Corporation was valued at \$31,000,000.

The history of the transferred organization has been one of steady growth and expansion, particularly in later years. This is illustrated by a few production figures. From 1918 through 1927, a total of 15,500 Teletype instruments were turned out, while in the year 1928 alone 12,700 instruments were manufactured, and during 1929 production rose to double that figure, or a total of 25,200. The use of Teletype equipment in the Bell System has risen from 1,000 units in 1925 to 16,000 in 1929.

## Armour Engineer Out Tomorrow Morning

Copies of the "Engineer" will be distributed tomorrow in the south end of the lobby in the main building.

Articles by both faculty and students comprise the "Engineer." Dr. Scherger has written about his travels in England and on the Continent. Henry Levin's prize essay on "Petroleum," which won the American Chemical Society award, appears, and Deans Palmer and Penn have written from their vast experience about the ideas and aims that an engineering student should entertain.

## Car Oils Subject of A.S.M.E. Talk

At the next regular meeting of the Armour branch of the American Society of Mechanical Engineers Friday, November 21, a speaker from the Standard Oil Company will deliver a talk on motor oils. The address will be accompanied by a showing of three reels of motor pictures relating to the speaker's subject.

A smoker will be given in the evening at the Theta Xi house. Complete arrangements will be announced on the bulletin board tomorrow.

## Former Professor at Armour Makes Visit

Professor James R. Griffith, professor of Structural Engineering at Oregon State Agricultural College, and formerly professor at Armour, made a visit here last week.

He was in Chicago to deliver an address at the 1930 Annual Meeting of the International Acetylene Association, on Thursday, November 13. His subject was, "Experiments on Gas Welded Structural Joints—Including a Scientific Demonstration of Amplified Stethoscopic Sound Testing of Welds."

The purpose of the paper was to show the relation and application of welding to the structural engineering field. Such questions as, "How do welded structural connections compare with riveted ones?" and others bent on inquiring as to the relation of operator efficiency with joint efficiency were taken up by the speaker and explained. The welding process is comparatively new, and the information given has cleared away many ambiguities.

Professor Griffith's work is a result of research performed at the Oregon State College with the aid of some colleagues and seniors in the civil engineering department.

## A.C.S. TO MEET AT CITY CLUB FRIDAY

The regular monthly meeting of the American Chemical Society will be held at the City Club, 315 Plymouth Court, next Friday evening, November 21st, at 7:30 o'clock. The subject of the paper, "The Fatigue of Metals Under Repeated Stress," to be delivered before the main group is one that should be of especial interest to any engineer. Professor H. F. Moore, who is Research Professor of Engineering Materials at the University of Illinois, is giving this paper and is well qualified to speak on this subject. Last month Professor Moore was the recipient of the medal annually awarded by the American Iron and Steel Institute for the outstanding work that he is doing in his field. Stereopticon slides and motion pictures will accompany the lecture.

After the main group meeting, the smaller groups will assemble as usual. The schedule calls for the assemblage of the sub-groups at 8:45. Preceding the main meeting will be a dinner starting at 6:15 for which reservations must be made at least one day in advance of the meeting.

## Six Men Pledged to Eta Kappa Nu

Eta Kappa Nu, honorary electrical engineering fraternity, pledged the following men Monday, October 31st:

E. J. Stehno, '31.  
E. E. Paschke, '31.  
D. M. Fetterman, '31.  
M. E. Lukey, '31.  
M. Fagen, '32.  
W. Krahl, '32.

## Seniors Discuss Class Problems

Charles Link, president, called a meeting of the Senior Class last Wednesday, November 12, in Science Hall to hear the reports of the various committees.

The chairman of the jacket committee, R. Wilson, gave a report and presented two sample types of coats. R. J. Schoen made a report on an offer of another firm and presented samples of cloth to be used in the jackets. After an inspection of the samples the seniors decided on a light wool cloth, although no jacket was formally accepted.

Treasurer Miran then gave a report of the financial standing of the class and the possibility of a class banquet.

W. E. Schirmer, social chairman of the class, made a report on the Senior Dance. It was decided to hold the dance, if possible, in the Cameo Room of the Morrison Hotel on December 12. He also urged that the seniors obtain the bids as soon as possible since no definite arrangements can be made until three hundred dollars has been collected.

Arthur Jens, editor-in-chief of the 1931 Cycle, made an announcement regarding the use of activities questionnaires to be filled out by seniors for the annual.

T. A. Woods made a report of the photography committee. He asked that each member co-operate as much as possible by promptly reporting to the photographer according to the schedule on the bulletin board.

C. T. Link stated that within two weeks the jewelry committee would have samples for inspection. After a short discussion the meeting was adjourned.

## Armour Represented at Maine P. T. A. Night

Professor Nash and Mr. Kelly represented Armour last Thursday evening, November 13, at a meeting of the Maine Township High School Parent-Teacher Association.

The meeting is called "College Night" and is held every year for the purpose of giving parents and pupils information about the colleges they are interested in. Chicago, Purdue, Armour, Carthage, Lawrence, Bradley, Carroll, Beloit, MacMurray, Northwestern and Carleton were some of the schools represented.

Some of the speeches given were: "The Advantages of the Large University," "The Advantages of Limited Enrollment," "What College Means" and "Credit."

## Lost and Found Has Number of Articles

The following articles are in the lost and found:  
An electrical laboratory note book.  
A college algebra text.  
A steam power plant engineering text.  
A number of rulers.  
A pocket watch.  
A drawing compass.  
The lost and found is located at the Deans' office. The above items can be claimed by those who have lost them by properly identifying them.

## SENIORS TO LIST THEIR ACTIVITIES FOR CYCLE STAFF

Activity blanks have been distributed amongst the members of the senior class. These were passed out by A. H. Jens, editor-in-chief of the Cycle, at a class meeting held last Wednesday.

Listed on the blanks were the following questions, the information to be used by the Cycle: Full name; Place of Birth; Department; High School; Honorary Groups; Social Fraternity; Clubs or Organizations; Athletics; Publications; Other Activities. Proper answers to the above questions are vital to the publication of the Cycle. Prompt action by members of the class in returning the required information will greatly facilitate the handling of this section of the book.

Those who have not yet obtained a blank should secure one from Mr. Livingstone in the Book Store during the week.

Completed sheets should be placed in the Cycle mail box, located next to the scholastic records case on the elevator shaft, first floor, main building.

Time limit allowed by the Cycle staff for the acquisition of this data is extended to Friday of next week. It is not necessary to use one of the provided sheets. A paper 8x5 inches in size will be accepted provided the proper information is contained thereon.

Corrections or additions will be allowed if these are made in writing and presented before the senior section of the book is finally made up.

## S. K. D. House Scene Of A. I. E. E. Smoker

The A. I. E. E. will hold a smoker on December 10, at the Sigma Kappa Delta Fraternity house, 3344 S. Michigan Boulevard.

Eats, entertainment, cards and smokes will feature the gathering. This smoker is one of two held each year by the Armour Branch of the A. I. E. E., and according to the committee, will probably be the best ever put across.

Funds for the smoker are taken from the local dues to which all the Junior, Senior electricals have subscribed. President Knittel has been conducting a drive for 100 percent membership.

The sophomores being associate members, are also eligible to attend the smoker.

Professor Amsbury will deliver his new lecture, "Literature, Its Inspiration and Power," to the students of the Northern Teachers College, at Marquette, Mich., Thursday, November, 20.

## CALENDAR

Tuesday, Nov. 18

5:00 P.M.—Varsity basketball practice at armory.  
5:00 P.M.—Sigma Kappa Delta basketball practice.  
8:00 P.M.—Flask and Beaker smoker at Beta Psi House.

Wednesday, Nov. 19

9:30 A.M.—Armour Engineer distributed.  
5:00 P.M.—Rho Delta Rho basketball practice.

Thursday, Nov. 20

5:00 P.M.—Theta Xi basketball practice.

Friday, Nov. 21

9:30 A.M.—F. P. E. meeting, Science Hall.  
10:30 A.M.—A. S. M. E. meeting.  
5:00 P.M.—Triangle basketball practice.

Saturday, Nov. 22

10:00 A.M.—Tennis tournament finals.

## Dr. Randall Will Address Students

An assembly for all students will be held Thursday, November 20, at 10:30 in the Assembly Hall. Dr. John Herman Randall, who is a director of the World Unity Foundation, is to speak on "The Present World Situation."

Dr. Randall has spoken at Northwestern University, at the Sinai Temple, and at the Men's City Club. The Institute is very fortunate in securing a speaker of such prominence, and so well informed on the present condition of world affairs.

## D. E. Richardson '24 Elected to Sigma Xi

Professor D. E. Richardson, '24, has been awarded an associate membership in the Chicago chapter of Sigma Xi, national honorary scientific fraternity. Eligibility for membership in this society is based on research work done in the scientific field.

Professor Richardson received his E. E. degree from Armour in 1927, and received the degree of M.S. from the University of Chicago in 1929. The title of his master's paper was "Experimental Verification of the Theoretical Skin Effect Equation, for an Electrolytic Conductor." He has already done considerable work toward his doctor's degree at the University of Chicago.

A paper on these topics was presented before the Association for Advancement of Science by Professor Richardson last January.

## THOMPSON MAKES CURE FOR CANCER

Dr. J. S. Thompson of the Physics Department and Dr. Simpson of the Frank E. Simpson Radium Clinic have successfully applied the use of radon filled lead capsules to the treatment of cancer. Dr. Thompson has been working with the clinic for the past several years, having charge of the radium and preparation of treatments.

The method as now developed consists of the implantation of small capsules, three millimeters long and three-fourths of a millimeter in diameter, made of pure lead tubing and filled with a known strength of radon gas. The lead prevents the passage of most of the harmful beta rays and transmits the gamma rays which destroy the diseased tissue. The capsules are injected into the cancerous growth, the number ranging with the size of the growth, and are left in there permanently as they cause no permanent pain. Gold capsules have been used previously but were found to cause pain long after the treatment was completed. Because of this the change to lead was made.

The capsules are made by pinching off (by forming a cold weld) sections of a tube previously filled with radon. The gas, radon, is used in place of the parent substance, radium, because it is less expensive and can be more easily replaced in case of loss. The radon is the first disintegration product of radium, has all its radiating properties and is more easily handled in preparing treatments.

Remarkable results have also been obtained in treating birthmarks with radium. Quantities of radium up to 1,500 milligrams are used in this work.

## Talk on Insurance At F. P. E. S. Meeting

There will be a meeting of the Armour Branch of the F. P. E. S. this Friday at 9:30, in Science Hall. Mr. H. C. Melville, of the North American Insurance Co., who spoke to the fire protects on Friday, November 7, on marine insurance, will speak again. His talk on Marine Insurance was appreciated by all who heard it and he is again expected to give one as interesting.

## FOUR SENIORS ON COMMITTEE FIRST TO GET JACKETS

Classmates Will Judge  
Appearance of  
Coats

### ON DISPLAY FRIDAY

The senior jacket committee men were measured for their jackets yesterday, Monday, November 17, and their jackets will be ready for them this Friday, November 21. These men are to wear their jackets around the school in order that other seniors may judge the appearance of the coats before purchasing their own.

The following men comprise the committee:

R. N. Wilson, chairman  
S. Ott  
H. S. Holt  
R. J. Schoen

## Dr. E. Bartow Speaks At A. I. Ch. E. Meeting

The Armour Branch of the A. I. Ch. E. held its second meeting of the year last Tuesday, November 11, at 9:30, in the Physics Lecture Room. This was the first lecture meeting of the year and drew almost complete attendance, several members of the faculty also attending.

F. B. Attwood, president of the chapter, called the meeting to order. There was a short discussion of the more important business, as well as the announcement of the awarding of the Schmitz-Kemiker medal, official trophy of the organization, to L. V. Melcarek, and G. N. Waniata.

The speaker, Dr. Edward Bartow, head of the Chemistry Department at the University of Iowa, was then introduced. Dr. Bartow is chairman of the committee on relations between parent and student chapters of the A. I. Ch. E. He spoke on the relations of the chapters, their purpose, and the action being taken to further chapter relationship. He then proceeded to lecture, aided by slides, on his trip to the World Engineering Congress, held in China last year, and his experiences there.

## Radio Fights Crime; Subject of Address

Yesterday morning at 10:30 the members of Armour chapter, A. I. E. E., and Armour Radio Association held a joint assembly in Room D-Mission.

The speaker of the meeting, Mr. W. P. Hilliard, chief of the Radio Division, Chicago Police Department, gave a very interesting account of how radio is proving an invaluable aid in fighting crime.

Mr. Hilliard explained that when a crime is reported to headquarters, messages, giving the location and possibly a description of the culprits, are broadcast from the police station transmitter, and are picked up by a receiver in each patrol car. The wave length employed is below the regular broadcast range and is therefore not received by ordinary radio sets.

The system is a result of experiments sponsored by WGN, the Chicago Tribune station, some time ago.

In this manner the police are able to respond to an alarm much quicker than by the previous method in which telephone messages had to be relayed several times.

Mr. Hilliard also explained the operation and maintenance of this department.

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## TRADITIONS AT ARMOUR

For the past decade, each year has seen the elimination of another custom or rule on the campus. Circus Day still flaunts its challenge, and the social fraternities give the men a certain amount of tradition, but in the long run the school is becoming more or less a routine system of classes.

We would not suggest that all the old rules and customs be reestablished, for many of them were antiquated and of a derogatory nature. However, there are a few that could stand a revival; and perhaps more that are beyond the memory of the present group of men.

We feel that the institution of "Civil Alley" was a privilege that meant much, but which was badly abused by one class. It seems quite probable to us that it could be reestablished with certain reservations and restrictions.

"Civil Alley" provided, and will continue to provide three very definite things. First of all, it was a common meeting place for all the upper classmen of the department; other schools respect the rights of the upperclassmen to privileged quarters. Secondly, it provided a place to smoke; which is a boon during the winter months. Lastly, it kept alive that intangible spirit of camaraderie.

We also feel that the idea of having recognition given to certain groups, such as the honorary fraternities, at school assemblies, would be an incentive to the lower classmen. In the past, it was the custom of the school to set aside a portion of the seats for these groups, and drape them accordingly. At an event like a large assembly or concert, it would give a touch of what might be termed local color to the event.

These are only two ideas, but it is our conviction that it would be an advantage to all if tradition was allowed to add its touch in making life at Armour something to remember.

A. B. A.

The cultivation of the mind is a kind of food supplied for the soul of man.

Cicero

## "The Slipstick"

Cleave to "The Slipstick"; let  
the Slipstick fly where it may.

## FOR THE CLASSICAL STUDENTS

These are the Armour Corridors;  
The indignant profs, and the students,  
Shreiking out paeans of whoopee,  
Of all homework the foemen inveterate.

Dutch says we can talk about our absent-minded professors but he wants to know if we ever heard of the absent-minded judge who dismissed the prisoner, sentenced the jury to twenty years and hit himself on the head with his gavel.

"It didn't take me long to get on my feet," said a recent graduate to his dancing partner.  
"Nor on mine," she commented sweetly.

—Jaesmackse.

### Exerpts from History Exam

"During the Ordovician epoch were developed fish and other land plants."

—Ted '34.

### UNPROFITABLE RESEARCH

Two friends who had not seen each other for some time met in the street one day. "You're looking rather down in the mouth, old man," said one to the other. "Are you feeling sick?"

"Not exactly," replied his friend, "but I'll admit that I've been worried of late. You remember that I hired a man to trace my pedigree?"

"Yes," said the other, "what's the trouble? Hasn't he been successful?"

"Successful! I should say he has!" came the reply in despairing tones. "I'm having to pay him hush money now."

"So you were in the hospital three months; must have been pretty sick!"  
"No, pretty nurse."

## CRITICAL OBSERVATIONS

According to the statistics of a well known Professor in our midst, compiled after so many painful and tiresome details the following are the facts: There are in our midst 650 students of the average intelligence, 100 little better than the average, 100 so-called mediocre mentality, and .000 who have any sparks of genius at all. The Professor predicts that some day these latter "The Intelligensia" will rule the world. If so three cheers; otherwise—

N.B. The Professor also predicted that as soon as the present graduating class leaves Armour's environments, there will be left only .000 of the Genii.

History Prof.: "Some Spaniards sailed over ten thousand miles on a galleon."  
Proud and irrepressible owner of a new Ford: "You can't believe all you hear about these foreign cars."

Telephone Operator: "Sir! Your language is uncalled for."

One of us: "So were those last three numbers."

A peculiar thing about Shakespeare was that he died on the same day he was born. We don't know of anybody else who could write so many plays in so short a time.

### Grrr-r-r! Grrr-r-r!

A man temporarily out of a job ran into a friend who owned a circus and asked him for something to do.

"Well, the gorilla recently died," said the friend, "and if you want to get into his skin, swing on the trapeze, growl a bit, and amuse the children you can have the job."

The man filled the job well until one day the rope on which he was swinging snapped and he was catapulted into the lion's cage.

The lion, seeing him, let out a lusty roar to which he offered a timid yelp. The lion roared more menacingly. The pseudo-gorilla lost his nerve and became entirely human, backed into a corner yelling, "Help! Help!"

The lion thereupon came closer and said in a hoarse whisper, "Shut up, you darn fool, you are not the only man out of a job."

"In Germany everything is forbidden that is not permitted."

"In England everything is permitted that is not forbidden."

"In France everything is permitted that is forbidden."

"Vive La France."

Prof: "Young man, haven't you any ambition? Wouldn't you like to do something big, something that would create a great commotion in the world?"

Stude: "Yes, sir, I'd like to throw a bushel of eggs into an electric fan."

D. B. C.

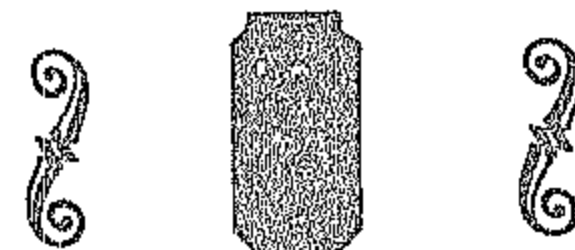
Stage Hand (to manager): "Shall I lower the curtain, sir? One of the living statues has the hiccups."

Well, who cares?

—Phil J.

## SCARAB

Professional Architectural  
Fraternity



Scarab Fraternity, national professional architectural fraternity, was founded at the University of Illinois during the year of 1909. The founding of the fraternity was not a result of any high scholastic ideals or aspirations, but as a result of an architectural urge to celebrate a "charette"—the same urge that causes students now to hibernate for a few days after a rendu.

It was thought, among a certain congenial group, that an organization of some sort would be a fitting and convenient way to bind the group together and give it prestige and recognition. After a few meetings, officers were chosen and each member was to submit a name and explain the significance to the president. The name Scarab that was finally chosen was suggested by George Ramey, now an architect in Champaign, Ill. He had been reading about the Egyptian scarab and how it figured in the decoration of the country and the idea struck him that such a symbol would make an excellent name and pin for the new organization. Any significance that it has now has been given it since its founding.

The first members of Scarab were principally Juniors and Sophomores in the school. They had no idea at the time that their new society would ever become a national fraternity. Their idea was merely to celebrate the events in the curriculum that caused them such worry. In 1914 Washington University was allowed to establish a temple of the fraternity and later other temples were admitted.

The chartering of Edfou Temple at Armour Institute of Technology was not the beginning of the fraternal organization in the architectural department. It was more a step in advance from the organization which existed at that time.

An architectural fraternity known as Alpha Delta Tau was started about 1900, and continued in existence up to the time of the institution of Scarab, which grew out of it. The members of Alpha Delta Tau, among whom are Messrs. Barber, Beaudry, Farrar, Faulkner, Freedman, Sexmith, Sincere, and Zook affiliated in 1915 with Scarab and became charter members of Edfou Temple.

There are now thirteen temples in the national organization. A national convention is held every year to provide a means of unity amongst the chapters.

Scarab Fraternity provides a means for attaining a broader knowledge of Architecture and the Allied Arts, secures through association the advantages of a more refined culture, stimulates a greater interest in expression through the Graphic Arts, promotes friendly competition among the students and schools of Architecture and creates a lasting spirit of fellowship and co-operation within the fraternity.

Election to membership is based on many things, such as scholarship, character and sociability. Scarab has always kept its membership very small and ranks among the honorary fraternities in scholastic standing at Armour.

Membership rolls at Edfou contain such names as Earl H. Reed, Jr., W. Lindsay Suter, Ralph W. Hammett, W. F. McCaughey, Jr., William H. Lautz, Emil R. Zettler, J. Edwin Peterson, etc. Members of national prominence such as Louis Sullivan, Harry Sternfeld and Harry K. Bieg, Paris prize winners; Rexford Newcomb, Louis Skidmore, Charles Morgan, etc.

Scarab endeavors to promote activity among students of architecture and to this end the national organization provides an annual award of \$50 for the best Class "B" project done in Beaux Art work. Edfou Temple awards two medals for the outstanding sophomore projects of each year.

## FRATERNITY NOTES

### PHI KAPPA SIGMA

Phi Kappa Sigma wishes to announce the Formal Initiation of Pledges Frederick S. Beale '32, Guy Burnett, Jr. '33 and Henry A. Larsen '33, on Friday, November 14.

A number of the fellows from the House attended a House Dance at Alpha Pi, November 15.

### DELTA TAU DELTA

Almost the entire active chapter and the whole pledge group attended Doc Wieland's Annual Freshman Banquet Saturday, November 3.

Charles McCurdy has returned to school after recovering from an attack of chicken pox.

### TRIANGLE

Triangle announces the pledging of Vernon C. Alexander '33.

The annual migration to Champaign took place Saturday, October 8, when a caravan of fifteen members from the Armour chapter attended the Fireman's Ball, given by the Illinois Chapter.

A Father and Son Banquet was successfully handled by the social chairman, Art Oberbeck. The fathers all look forward to and enjoy these banquets very much.

### PHI PI PHI

Friday, November 14, Gamma Chapter held a formal Initiation of Pledges, G. Seiferth '32 and W. Hartbauer '32.

Saturday night the alumni of the chapter held an Alumni Dance at the House. The active chapter was invited. Music was furnished by Grundy's Chicagoans, "Hot and Sweet."

Of the 163,335 miles of pipe lines now in existence, 60,000 miles are used for piping natural gas, 102,000 miles for oil and 335 miles for gasoline. At least 9000 miles of trunk line will be built this year. Fuel engineers see in this enormous network more than a transportation system for the three fuels now being piped through it. They see a permanent system for the transportation for all types of piped fuel. They even see the day when coal will be transformed into gas at the mines and piped through the underground system to consuming points. One eastern utility has gone so far as to experiment with transporting coal by pipe line, first reducing it to powder, mixing it with water, then piping it to destination, where it is dried and again becomes powdered coal.

"Reading for An Education" was the subject of Mr. Carl H. Milan's talk given at the November meeting of the Chicago Chapter of the American Institute of Architects, held on Tuesday evening, November 11.

Mr. Milan referred to a system now in use at the University of Chicago, Harvard and other institutions in which students carry their courses by outside reading. Here the only semblance of a restrictive classroom form of education is a meeting that is held at intervals with the professor for discussion of the topics that have been read.

In this manner, while under a certain form of guidance, the student feels a freedom which is an incentive to apply himself to the studies under consideration. The student must have, however, the character and the willpower to make good.

This method of education, though not suited for technical training, shows a great step forward in cultural education and which may be the basis on which the architects' technical training may be built.

Mr. Kenneth K. Stowell, the next speaker, carried on this theme in his talk, "The Educational Policy of the Architectural Magazine." Mr. Stowell was formerly on the faculty of Georgia Tech and is now with the Architectural Forum.

He explained that the ambition of the architectural magazines is to present material that will help the architects, principally the students, to appreciate the material problems that they will have to face upon their entering active practice. He advocated reading of magazine articles because many of them would never be reprinted in book form and missing them would be a loss to the individual.

Mr. Louis LeBeaume followed with a talk, "The Institute and Architectural Education," in which he told of the activities of the Institute in furthering education of the younger members of the profession.

E. C. K.

Next Thursday afternoon, November 20th, Dr. G. L. Scherger will address the Junior Friends of Art at the Beldon-Stratford Hotel. Dr. Scherger has chosen for the subject of his address, "Vienna: Her Culture and Art." The head of the Junior Friends of Art is Miss L. Olga Menn. This organization has a membership list that compares with a list of the society women of Chicago.

## VERSE OR WORSE

F. F. STRASSENBURG

### With Round Corners

Old Chris once said the world was round  
When he set foot on Indian ground.  
But I am not so sure just what  
It is; for I have heard a lot  
Of people saying this and that  
So I don't know just where I'm at.

The man who's always treated fair  
Says he knows the world is square.  
The pleasure bound, who can't sit pat  
Grimly say the world is flat.  
And then those fellows, hanging crape,  
Groan that the orb's in a "helluva" shape.

But all in all, I think it's sound  
To say it's pretty good all 'round.

F. F. S.

### Ode to a Non-Union Electrician

'Twas farad in condenser, not an ampere was in sight,  
The watt and henry fuse board, while the flux all day that night  
And the rain discharged like arc,  
While the snow, it was corroded,  
And inductance was potential,  
Since the volts they had exploded.

All on a summer's meter, the load was equalized,  
But the gosh-darned-fool old circuit could not be neutralized.  
And the dynamo it granted  
As the starting box was shunted  
And the relay trip was hunted  
When the circuit breaker punted.

But impedance, traction, contacts; power, storage cell,  
Resistance, series armature; Galvani type of bell.  
Now the panel, motors, and pow'r are dead,  
And the plant's shut down so tight,  
And transmission ceased, and the lights are out,  
'Cause the author's gone outa his head.  
With apologies to the originator—The Engineer.

Tuesday, November 18, 1930

## REVIEWS

### HOTEL UNIVERSE

Phillip Barry

Presented at the Goodman Theater

With the staging of "Hotel Universe," the Goodman has introduced a new conception into the field of the theater; it is a field that many of the larger theaters whose very existence is dependent on pleasing the masses would dare not stage.

In this play the audience has certain demands made upon it; they must exercise their mental ability, and adapt themselves to the ideas of the author. The play is unique in that it conforms to the actual elapses of time, for the entire play presents two hours of the life of its characters, and consumes precisely that much time in its staging, with no intermission. It is quite a distinct view, when one considers that in the past we have had to delude ourselves into visualizing a five minute wait as any period from two minutes to ten years, depending on the fancy of the playwright.

"Hotel Universe" is a play based on the idea that we humans take some ideal as the keynote of our lives, and whether good or bad, hold to that, letting it have an undue influence upon the remainder of our existence. Thus we meet the six people who have let some illusion ruin their lives; and through the skill of Barry we learn their personal traits, beliefs, and course of living.

Through a fantastic conception, wherein these six are allowed to revive the incident wherein the illusion had its birth, they regain the normal aspect upon life, and see it again as something sweet and desirable. This "fantastic conception" is perhaps allegorical in structure, and baffling in its presentation, but it seems to lend itself to analysis despite the pessimistic opinion of some critics.

The various interludes in the play do much to relieve the tension following some of the action, and merely reiterate the fact that Barry is a "master of comedy," as "Holiday" proved; the body of it shows that the man has made a striking analysis of the psychological attitude of these various people.

The cast has managed to carry out the theme of this most difficult production to a satisfying degree, and in Butler Mandeville we feel that the Goodman has gained another worthy man. All the players manage to assume their multiple personalities with ease, and help create the feeling that they are actually reliving part of their life.

The play is essentially a psychological study intertwined with the presentation of the philosophy of life as interpreted by Barry, and must prove of interest to any man who feels he can spend two hours in what might be termed "useful pleasure."

A. B. A.

### MARTIN, ARMOUR FIREMAN, DIES

Mr. August Martin, for twelve years fireman at Armour, died Sunday night, November 2, at his home at 347 W. 59th Place.

Mr. Martin started work here in 1917 and continued until injury forced him to stop last year. At his death he was seventy-three years old.

He was buried on November 5, at Oak Forest Cemetery.

The members of the Bryn Mawr Community Church at 70th Street and Jeffery Avenue were addressed last Friday evening, the fourteenth of November, by Dr. G. L. Scherger on the subject of the "Early Vestiges of Man." Dr. Scherger is one of the regular speakers at this church, delivering an address there every other Friday night.

The world's largest telescope is being constructed at the University of California. It will be made up of a battery of 4,400 small telescopes and will be 200 inches in diameter.

Student archaeologists at the University of Denver will attempt the first archaeological survey of Colorado ever undertaken next summer.

## "Love Conquers All"

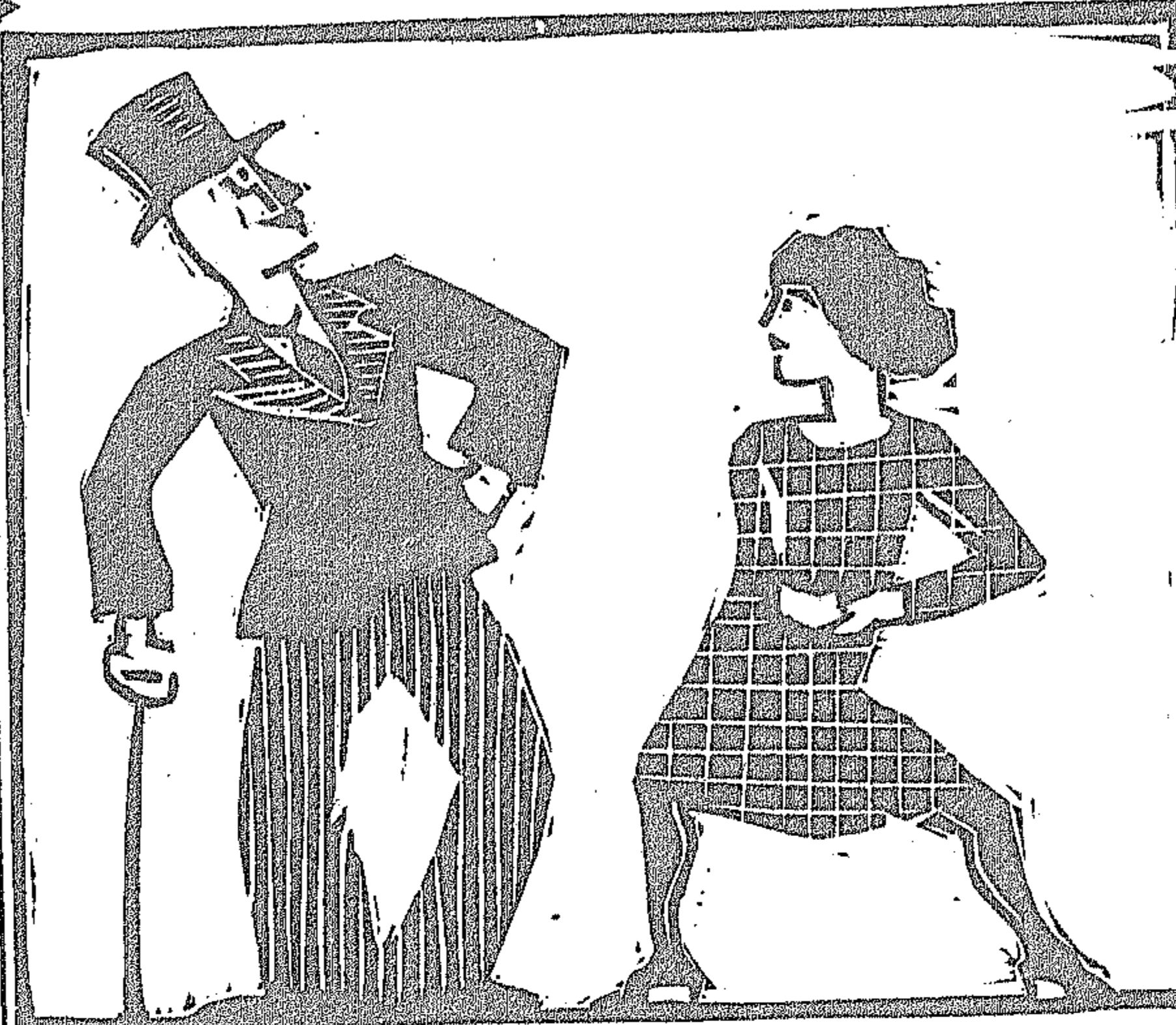
OR

## "The Pi Delt's Revenge"

Dave Chapman's Gripping College Drama

Please check your guns and gum at the door

The orchestra files into their places and Cedric Block, the conductor, leads the overture, "It Ain't Gonna Rain No More."



Susan Sweet, a shy little country girl, clad in gingham and cotton hose is accosted by her old suitor, Gordon Throckmorton-Sneed. He is threatening her because she won't wear his fraternity pin.

ACT I

SCENE I

Curtain

Susan: G'wan home ya silly lookin' yap you. I'm tha' heroine and I hafta sing a theme song at this point. (Clears throat.) do-me—

Gordon (sneer): Quick, break down or I'll foreclose on tha' mortgage.

Susan: What mortgage?

Gordy: The mortgage on yer old man's sausage works. (He sniggers.)

Susie: Oh, how could you—my own dear, grey-headed daddy—

Gordy: Hee, hee, heh, heh, now my little gal, step over and give Gordy a nice kiss an' then you can wear my Pi Delt pin.

Susan: Never! No! Nix! Naw—g'wan git, beat it, scram. I'll holler, help!

Gordy: Yeah? Well, yer old man is minus one sausage factory.

Susan: Oh, that it should come to this! Have you no heart?

Gordy (he lofts): Yaw! Yaw! Yaw! Quick, tha' sausage works or the kiss.

Susan: I'll kiss you, for my good ole daddy!

(Mad cheering from the bleachers)

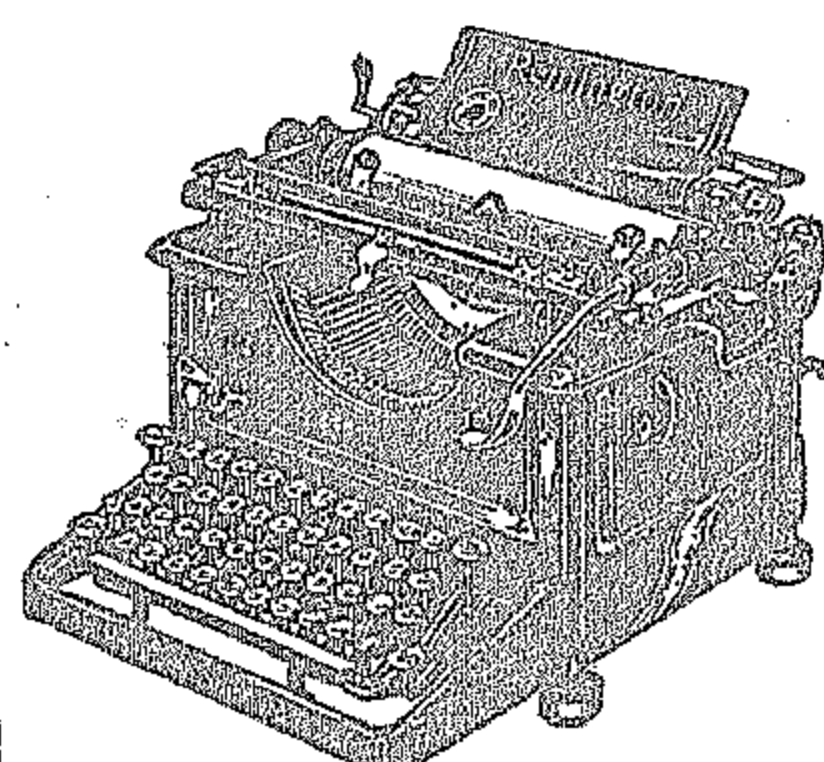
Curtain

Horrors! Susan must wear Gordy's pin! Is there no justice? Ah! watch—wait—see what next week will bring. A new—vivid—sparkling episode all about life and love in a college town like Gary, Ind. Don't miss it.

## ALICE RESTAURANT

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## Rifle Team Finishes First Meet of Year

The Armour Tech Rifle Team held the first of a series of telegraphic matches with the New York Stock Exchange last week. The series of matches will consist of three, running over a period of three weeks with the best two out of three matches necessary to cinch the series.

The shootings have a double purpose for the members of our team in that the man shooting the best score for the three weeks will be declared champion of the Armour team. Although our men dropped the first match they are confident of victory in the next two. Every free hour is dedicated to diligent practice so that the team will show its best form in the remaining matches in this series. Below is a table listing the results of the first match:

New York Stock Exchange.	
Ohlmann	377
Davidowitch	376
Frost	366
Arnold	365
Rosenblatt	363

Total	1847
Armour	
Patla	380
Wilson	371
Helmick	370
Hackley	363
Linnell	335

Total 1819

A Sigma Kappa Delta Fraternity pin was lost on the campus last week. A nominal reward will be offered to the individual who will return the emblem to Charles Jens, Jr. Communicate with him at the Institute or at 3344 S. Michigan Avenue.

## Fraternities Ready for Title Struggle

In preparation for the coming interfraternity basketball tournament, which promises to provide the upset that has been looked forward to for over a decade, several fraternities have already organized their teams and have begun practice. Triangle, Theta Xi, Sigma Kappa Delta, and Delta Tau Delta are well on their way for the title. The Beta Psi and Sigma Alpha Mu houses will be in a position to announce their line-ups this week. If guesses are in order it is quite safe to foresee a new title holder when the tournament of 1930 is played. The official practice schedule will

be uncapped today when the Sigma Kappa Delta team takes the floor. Other teams will use the gym for practice on dates as follows:

November 19—Rho Delta Rho.  
November 20—Theta Xi.  
November 21—Triangle.  
November 25—Sigma Alpha Mu.  
December 2—Phi Kappa Sigma.  
December 4—Beta Psi  
December 9—Phi Pi Phi.  
December 10—Delta Tau Delta.

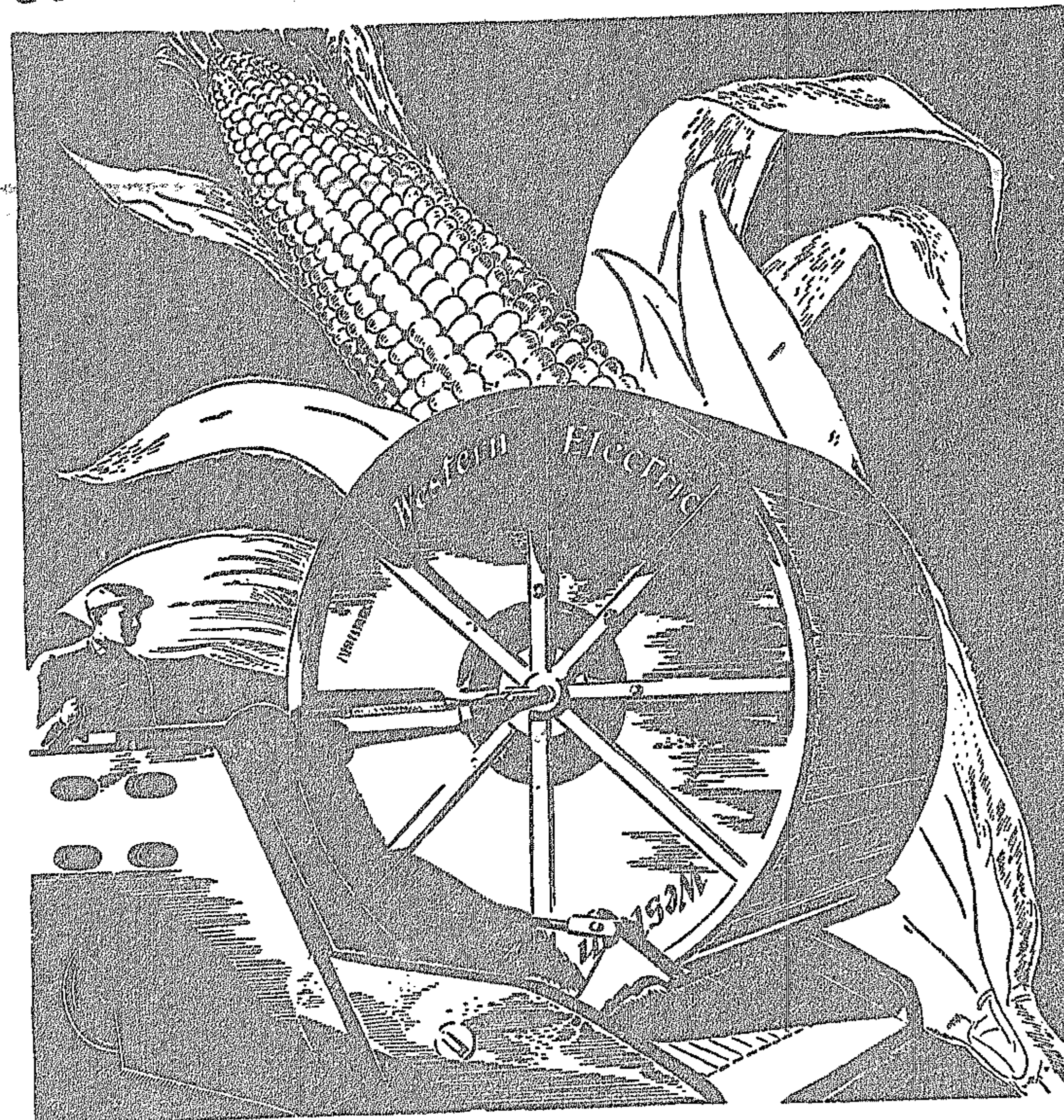
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## STEPPING INTO A MODERN WORLD



6-ton reels of cable distributed  
with the speed of perishable food

A carload of telephone poles laid down a thousand miles away within 36 hours after getting the order! Rush calls of this sort must frequently be handled by Western Electric, distributors for the Bell System.

But even more remarkable is the regular day by day flow of telephone supplies. The Chicago warehouse—one of 32 in the national system—

handles 1,400 orders a day. In 1929 more than \$400,000,000 worth of equipment and materials was delivered to the telephone companies.

Distribution on so vast a scale presents many interesting problems to Bell System men. The solutions they work out mean much in keeping this industry in step with the times.

The opportunity is there!

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## CAGERS TO BEGIN SERIOUS PRACTICE ON ARMORY FLOOR

### Fast Workouts Planned For 26 Members of Squad

#### FIRST GAME, DEC. 9

The Tech basketball team will start their practice tonight at the Eighth Regiment Armory gym located at 35th street and Giles avenue. The players are to report between 4:30 and 5:00 p. m.

The squad has been cut down to the twenty-six men who will continue throughout the season. With this smaller number of men, the practice will be speeded up to get them into shape for their first game on December 9.

The assistant manager for the team will be picked just before the Christmas holidays. The candidates are to assist manager Erland each night up to that time, and then Coach Krafft will give his recommendations to the Board of Control as to the successful candidate.

Up to date no new games have been scheduled. Last week's News has the complete schedule.

The following men are to report to the Eighth Regiment Armory for practice tonight: Captain Robin, Rutkowski, Rossing, Miran, Ott, O'Connor, Beemsterboer, Sandsteadt, Kukulski, Manson, Lukas, Moskowitz, Lind, Setterberg, Pepe, McDonald, Meade, Henke, MacLennan, Pearson, Jacobson, Rummel, Schamp, Kutteruf, Streb, Gustafson.

## Coach Weissman Shapes Pug Team

Coach B. Weissman, the latest addition to Armour's athletic department, was rewarded for his ceaseless efforts with the boxing team, whose last season's record was the best in years, and which prior to this time had not had the opportunity for professional instruction.

Engaging the outstanding amateur pugs in the city, Coach Weissman's squad emerged victors in two meets, dropped two and drew one. The deadlock was registered at the Lincoln Belmont "Y."

Mr. Weissman is a graduate of Lane Tech High School and an alumnus of DePaul University. At both of these institutions the boxing mentor was awarded letters in basketball and football. His boxing ability could not manifest itself inasmuch as boxing teams did not exist at these schools. Coach Weissman is generally recognized to be one of Chicago's foremost amateur boxing instructors, as may be judged by the fact that he has turned out a number of reputable fighters. Prior to his appointment at Armour, Weissman was connected with Dave Barry's gymnasium, where he served in a capacity as instructor, trainer, and sparring partner. His knowledge of boxing, coupled with his experience among fighters of note, makes him invaluable as a second whose advice is so necessary to the boxer. This was demonstrated many times during the course of the season, when through his encouraging advice, the fighters received moral support which enabled them to last the distance.

Although he has found it necessary to work with a green squad, Coach Weissman predicts that this year's record will be on a par with last season's standing.

His genial personality and everlasting patience has made him a favorite among the students.

Those students who desire a knowledge of the many art, and who wish to take advantage of the opportunity, should not hesitate to do so, regardless of their ability. Many who were not at all versed with the science of self defense are showing marked improvement and incidentally are deriving benefit from the body building.

Outside of his pugilistic activities, Mr. Weissman is strictly a professional man, being engaged in legal practice in the city.

## Gridiron Queries

By Professor John J. Schommer

*Editor's Note: Professor John J. Schommer, star player, conference umpire, and leading football authority, will answer through this column, any questions on football which are puzzling our readers. Questions may be submitted to the Sports Editor, H. P. Richter, or they may be placed in the Armour Tech News box, which is located in the main building adjacent to the elevator on the first floor.*

**Question 22.** Ball carrier accidentally collides with the referee, who fails to get out of the way quick enough. This collision deprives the man of making a long gain or possibly a touchdown. What is the referee's ruling in this case?

**Answer:** Play is ruled as it develops. No loss granted for interference by officials.

**Question 23.** Quarterback of offensive team makes a forward pass to an end. The end in return passes it laterally to a half-back but the pass is thrown inaccurately causing the half-back to pick it off the ground. Will he be permitted to advance the ball or is the ball brought back as the case would be on an incomplete forward pass?

**Answer:** Half-back may run with the ball as in a fumble but the opponents can only recover unless they catch ball before it strikes ground.

**Question 24.** If a lateral pass is fumbled does it become a free ball?

**Answer:** Yes. Dead at point of recovery on striking ground for the defensive but a live ball for the offensive.

**Question 25.** Offensive team is on their own five yard line. They attempt a pass behind the goal line on the last down. Does the defensive team get possession of the ball on the five yard line or is the ball brought back to the twenty yard line as the case is when a team punts the ball over the goal line?

**Answer:** Play as outlined is a safety by definition and the offensive team puts the ball in play on their own 20 yard line by a free kick. The defensive team, however, may refuse the safety which nets them two points, and elect to put the ball in play on the five yard line.

**Question 26.** Offensive team is on their own one yard line. Quarterback fumbles ball and recovers it but is tackled before he crosses the goal line. Is the defensive team awarded two points on this play?

**Answer:** Yes.

## Tennis Champion to Be Named This Week

Late reports on the big annual tennis fray indicate that all is well with the schedule and everything else that is connected with this year's tourney. The probabilities are that the championship will be awarded to the sole survivor of the eliminations some time during this week.

Considerable enthusiasm has been the contribution of the contestants, who have in almost every instance played their matches without undue delay. It seems that the display of skill is better than is usually encountered at this time of the season and most of the contests have been a fairly even match. Extra sets have been the deciding factors time and again even in the early rounds when things were just getting under way.

The championship now lies between H. P. Richter, Graham, Draus, and Hendricks. For a while it looked as though Draus wouldn't be playing in the sixth round, but he succeeded in downing Dase by a score of (6-4), (2-6), and (8-6) after a session of fast volleys had gone over the net.

The courts are in relatively good condition at the present time, our hope being that they will continue to be that way until the championship has been decided.

The consolation players are lagging behind right now and do not seem to be very much inspired. There has been a comparatively high number of defaults as compared with that among the bigger guns, but there is hope that the consolations will be finished some time next week. There is a scattering of men who are still playing in the fourth round, or rather, should be playing in that round, although the majority of the fifth round matches have been put out of the way.

## Fire Protects Lose To Junior Chemicals

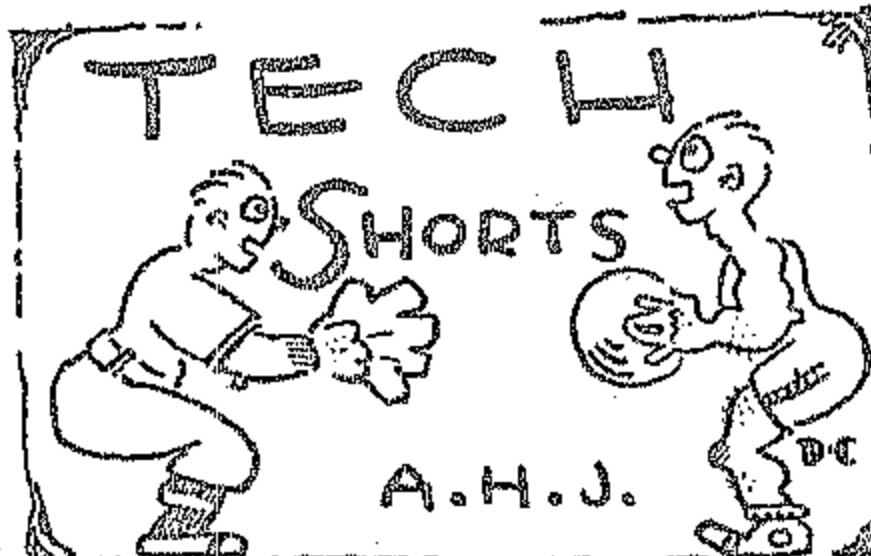
The Junior Chemicals defeated the Junior Fire Protects, 17-11, in an inter-department basketball game last Thursday afternoon.

Both teams opened up strong but soon settled down to a fast, steady game. Stan Lind was the stellar player for the Chemicals, and Stalzer did most of the scoring for the Fireos.

Scanlon and Tilt also came through with their share of the points for the F. P. E. squad. Field and Blom were two others who backed Lind up and fed him the ball. They did their stuff in the long shots and accounted for a good part of the score.

The Chemical squad showed a well balanced team on the floor that worked in unison to a great extent. Although their opponents were good individual players, they lacked the practice that would have made them act as a unit. Short quarters were played and this speeded up the game considerably since both squads were unusually small.

Pi Ni Epsilon, honorary musical fraternity, held a meeting yesterday at 2 o'clock in the Tau Beta Pi rooms in Chapin Hall. The meeting was conducted by R. R. Eddy, president.



### Thirty-sixth Edition

This is the 36th presentation of Tech Shorts. When we reach the 50 mark we'll hold a celebration of some sort or other, perhaps we'll serve cigars and cider. Who knows? And what's more, who cares?

### Lots of Basketball

At any rate we are in the midst of a basketball season. With the varsity basketball practice and the annual civil war of the fraternities there is plenty for the dopesters to think about. We are inclined to believe that the varsity will do much better this season than in the past few years. However, at this stage of the game predictions are merely based on former records and experience. The varsity squad has much of the latter but little of the former.

### Schommer and Wars

Speaking of civil wars reminds us of an article that Jawn J. Schommer wrote for this paper last year. Professor Schommer wrote on the

subsidizing of athletics and professionalism. Several of the daily Chicago newspapers raked our well known director over the pan for his views on these highly important subjects. Perhaps we might secure another such article on a different phase of college athletics from Professor Schommer.

### No Doubt

Our correspondent in fraternity basketball gave a resume of conditions on the battle front in last week's paper. According to him it looks as though anyone of the ten fraternities might win the inter-fraternity gaffalon. A secret bulletin issued by the S. K. D. House reports that their team won a tight game from the Memorial Boy Builders, 43-11 in a basketball game held last Tuesday. Other bulletins will be released as soon as they are received.

### Fraternity Touch Football

Touch football came into its own on Armistice Day when Ogden Field was literally over-run with footballers. The groups were separated somewhat as follows: Theta Xi vs. Phi Pi Phi; T. X. vs. S. K. D.; D. T. D. vs. D. T. D. Several of the fraternities engaged in contests among themselves.

The much advertised T. X.—S. K. D. game ended 2-0, in favor of T. X. when Robert Kutteruf made a beautiful backward punt over the fence for the only score of the game, a safety for his opponents.

## Swim Team Needs Back-Stroke Men

Those who are interested in the welfare of the swimming squad, may rest assured that the team will be practically intact for some time to come.

The team's roster lists only one senior, Capt. Knox, three juniors, with the balance being made up of sophomores and freshmen.

This is a highly desirable condition as these lower classmen will be expected to fill vacancies, caused by graduation.

For some reason or other the major award in swimming is a minor letter. A major letter in this sport would undoubtedly stimulate more interest, inducing a greater number of men to turn out. In spite of this fact the team has always succeeded to make a creditable showing and should continue to do so.

A special opportunity presents itself to anyone who can swim the backstroke, as this position, for which new men are welcome, is not so well fortified.

The clock in the tower of Heavilon hall strikes 179,580 strokes in a year.

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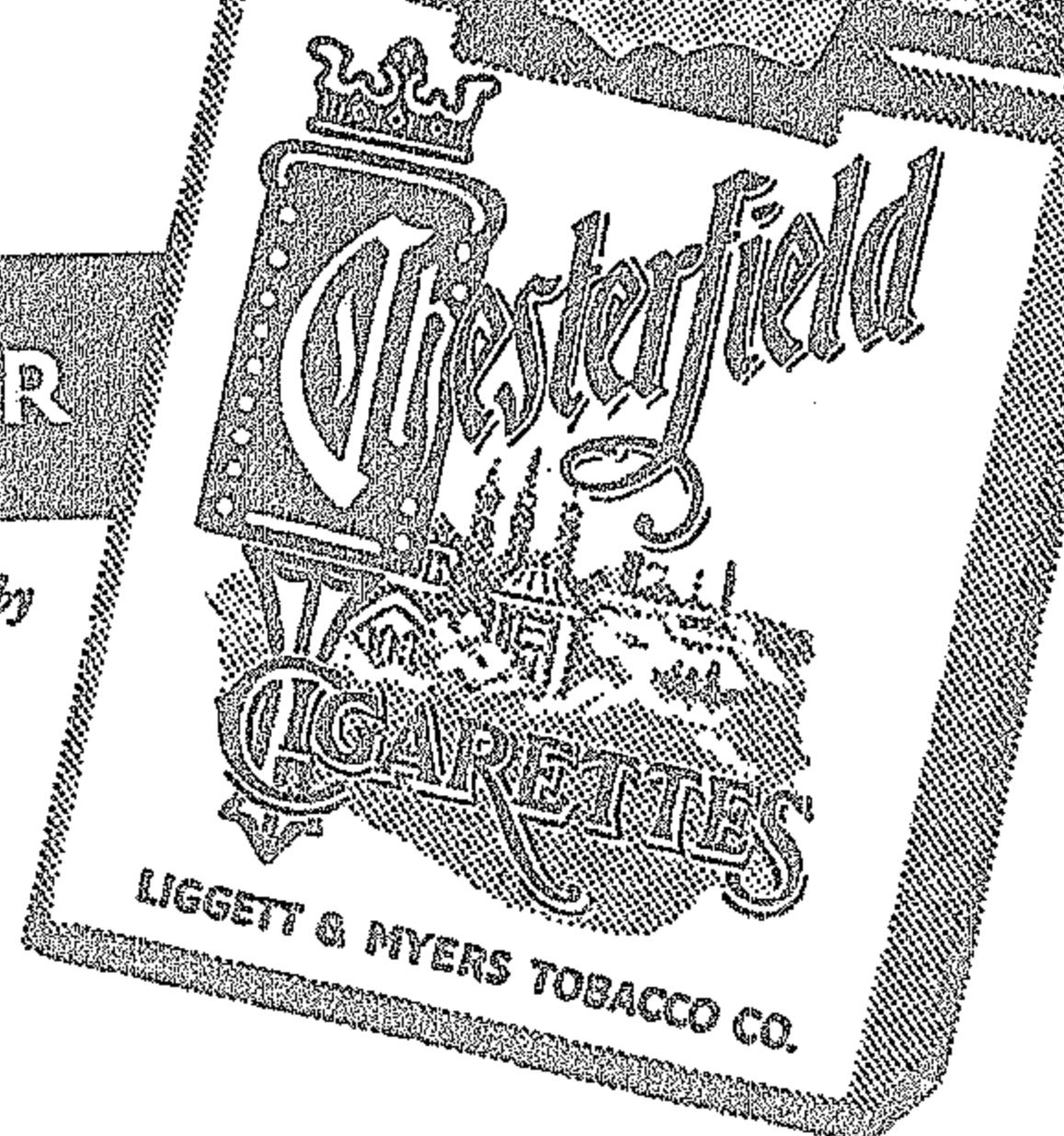
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