



## FIRST SEMESTER AVERAGES ISSUED BY DEANS OFFICE

### Alvin B. Auerbach Keeps Straight "A" Average; Leads Seniors

#### F. P. E.'S HIGHEST

Statistics covering the averages of all students who were enrolled as Freshman, Sophomores, Juniors, and Seniors in the College of Engineering and Architecture for the first semester of the college year (1930-1931) have been completed by the Office of the Deans. This year, it will be seen, the Senior Class has the highest average with the other classes coming in order below. Tau Beta Pi has kept the lead among the Honorary Fraternities while Sigma Kappa Delta has maintained first place among the Social Fraternities.

Alvin B. Auerbach, the man in the Senior Class who has the highest average (97.5) has had all A's for seven semesters.

Schinke and Juvinal also have been at the heads of their classes before.

**Use New System of Averaging**  
The present system of averaging grades is based on the number of credit hours listed in the catalog. The Senior Class averages were computed by the old method in which each grade was given equal weight. Physical training grades are not included, and a credit (Cr.) in a subject taken at Armour or at another school is given a grade of "C".

Delta Tau Delta, Theta Xi, Sigma Kappa Delta, and Phi Kappa Phi. The average of the entire school body, a total of 814 students, is 84.27%.

The averages of the various organizations are as follows:

- The Senior Class.....88.2
- The Junior Class.....86.3
- The Sophomore Class.....83.5
- The Freshman Class.....81.1
- The student with the highest average in the Senior Class is Alvin B. Auerbach. His average is 97.5%.
- The student with the highest average in the Junior Class is Max J. Schinke. His average is 96.5%.
- The student with the highest average in the Sophomore Class is James W. Juvinal. His average is 96.6%.
- The student with the highest average in the Freshman Class is Leonard Marcus. His average is 95.1%.

- Departments**
- Mechanical Engineering....84.7
  - Electrical Engineering....84.8
  - Civil Engineering.....83.5
  - Chemical Engineering....84.2
  - Fire Protection Engineering 85.9
  - Architectural.....82.6

The following groups are arranged according to the seniority of their establishment at the Armour Institute of Technology:

- Honorary Fraternities (Scholastic)**
- Tau Beta Pi.....93.9
  - Pi Nu Sigma.....93.0
  - Eta Kappa Nu.....91.5
  - Chi Epsilon.....93.3
  - Phi Lambda Upsilon.....93.0
  - Salamander.....92.5

- Honorary Fraternity (Non-Scholastic)**
- Pi Nu Epsilon.....88.8

- Honor Society**
- Sphinx.....90.5

- Professional Fraternities**
- Scarab.....90.1
  - Alpha Chi Sigma.....88.5

- Social Fraternities**
- Phi Kappa Sigma.....84.4
  - Delta Tau Delta.....83.6
  - Theta Xi.....83.4
  - Sigma Kappa Delta.....87.5
  - Phi Pi Phi.....82.3
  - Rho Delta Rho.....85.4
  - Sigma Alpha Mu.....85.3
  - Triangle.....84.7
  - Beta Psi.....86.2
  - Kappa Delta Tau.....85.1

The average of all students be-

(Continued on page three)

## Waindle Chosen Junior Marshal

Roger F. Waindle was elected Junior Marshal by the class of '32 at an election held last Thursday. He received the majority of the Junior votes with a total of sixty-nine. J. B. Dirkers, who together with H. P. Richter was a runner-up, received thirty-nine while the latter had twenty-eight votes in his favor. The three men had been nominated by petition previously, and the election in the front hall was carried out by means of printed ballots.

The Junior Marshal is the one person who is responsible for the success of Junior Week, the socially important period of the college year. He, together with the assistants which he appoints, has charge of the various features including the Class Rush, Open House Night, Circus Day, and the athletic events of Junior Week.

Underclassmen, although they do not see the Marshals at work, observe them at play during the Freshman-Sophomore Rush when, resplendent in black and yellow jackets, they encourage fair play with the help of large and sturdy paddles.

## Student Talks Given At A. I. E. E. Meeting

Two student talks were given at the regular meeting of the A. I. E. E., which was held last Friday, March 13, in D Mission. The talks were preceded by a short business meeting in which it was decided to have a smoker on April 22.

"The Life of Michael Faraday" was the subject of the first talk by Thomas A. McGill, E. E., '32. Faraday, who was the most prominent physicist of the nineteenth century, was honored by ninety-five scientific societies and universities. A wealth of information is contained in three huge volumes of electrical experiments which he performed. Very few men ever lived who did more in the advancement of electrical principles and theories than Faraday.

Max J. Schinke, E. E., '32, gave the second talk on "The Life of Joseph Henry." The problem of transmitting telegraph messages over long distances was first successfully solved by Henry. He was the first secretary and executive of the Smithsonian Institute, and was at one time president of the National Academy of Science in Washington. The unit of electrical inductance was called the "henry" in honor of Joseph Henry for his many important experiments and discoveries in the field of electricity.

## Professor John Schommer Meets Queer Assailant On Mission Steps

That an evil heart too often lies behind a smiling mask was again demonstrated by one of the most unwarranted acts of brutality that has ever been witnessed on the Armour campus. The little drama of the worst qualities in *homo sapiens* occurred last Thursday, directly before the horrified portals of the Mission Building with but two characters: Professor John Schommer and the "Orphan of the Storm."

The aforementioned professor was temporarily quitting the Institute for lunch, and, from his cheerful mien, evidently had no premonition of the impending disaster.

Then the blow fell. One of those many juvenile street urchins of the female variety, who frequent these parts, was gamboling in the gutter. The urchin tossed an occasional snowball, for a group of indolent Tech students were standing about the "Urchin" her on (pun).

At this time a student, who had received a rather low grade in chemistry, spotted the several-times-mentioned professor. He suggested to the little one that she direct her further efforts toward the "Gentleman in the Green Hat."

## MAYORAL STRAW VOTE WILL SHOW STUDENT OPINION

Experiment.

Object: To determine the efficiency of the Donkey engine and the Mammoth engine; to promote greater civic consciousness.

Apparatus: One ballot (furnished by the Tech News) and one pencil.

Method: Procure one ballot from the keeper of the News and then go to a corner of the lobby, set up the apparatus on the wall. The engine with the greatest efficiency is determined by marking with an X, in the box before the lay names of the engines, Cermak or Thompson, respectively.

Discussion: The ideas of the student and the men of the street will be compared and the results announced next Tuesday, March 31.

Data Sheet:  William H. Thompson, Republican.  Anton J. Cermak, Democrat

Conclusions: The conclusions to be derived from this experiment will not be announced until next week.

## Senior Electricals To Visit Paper Mill

Senior Electricals will have a chance to see how electricity is harnessed in the Paper Mill of Chicago run by the William Lumber Co. at 90 N. Ogden on their trip to the company's plant this afternoon.

This company operates its own power plant and has installed a unique system that is particularly suited to their type of production line. One of their chief products is brown wrapping paper, with strawboard as an allied product.

As this is the only paper mill accessible to the men, being the only plant in the neighborhood, it is expected that everybody who possibly can will take advantage of the opportunity the trip offers to broaden the scope of their knowledge in electrical engineering.

## PROFESSOR FINNEGAN ILL

Professor J. B. Finnegan, head of the Fire Protection Engineering Department, has been under observation at the New England Baptist Hospital in Boston, Massachusetts for the past week.

A general rundown condition was the cause of Professor Finnegan's retirement to Boston last Tuesday, March 17; he will possibly be back to-day.

## L'enfante complied with this request only too willingly and a sanguine encounter too place.

The little Amazon hurled an icy pellet directly at the green hat, but due to her inability to provide it with a great enough initial velocity, the snowball described a parabola (y squared equals 2 px) and lost its momentum two feet below its mark thereby striking *le professeur* at his point of greatest rotundity.

Encouraged by her first successful effort and, incidentally, inspired by the increasing interest displayed by the audience, the young one began to bombard the bewildered Herr Schommer with incredible rapidity.

Having recovered from his astonishment, the professor tried to retaliate, but as he is known to be a strong advocate of the Volstead Act, it is not at all strange that his missiles went wide of their intended victim.

By this time the blood-lust possessed the tiny tot and she pressed the attack with such ferocity that the exhausted Professor Schommer clutched at his battered fedora, admitted defeat, and shambled off towards the beanery.

## Freshman Dance Bids Now Ready

Plans for the Frosh Dance to be held on Friday, April 10, at the ballroom of the Illinois Women's Athletic Association have already been formulated. Elmer Kaiser's Northwestern Rambler's are expected to furnish the entertainment.

L. A. Callen, freshman social chairman, to whom credit for the complete success of the Freshman Smoker is due, is now hard at work and expects to make this dance a bigger success than any one previous. He sets the goal at a minimum of two hundred and fifty couples, and is endeavoring to gain the support of the upperclassmen for this affair.

Bids, which are \$2.50, have been distributed among the social committee. They may be obtained from the class officers: R. Cheatham, President; D. S. Manson, Vice-President; F. Lowry, Secretary; R. Drum, Treasurer; or from the members of the committee; L. A. Callen, B. H. Peterson, V. Rimsha, L. Lynch, and T. Peavy.

## Seniors Inspect Hawthorne Plant

With twenty Armour Alumni as guides and accompanied by fourteen members of the faculty, well over a hundred seniors were made better acquainted with the multitude of devices and methods employed to enslave the giant, electricity, when they were guests of the Western Electric Company at the Hawthorne Plant in Cicero last Tuesday.

## Trip a Big Success

The trip was crowned with a success due not only to the interesting nature of the course, but also to the careful planning of the route and events done by the Western Electric officials.

That many trials and difficulties are incident with the laying of a submarine cable was made clear in a "sound" presentation depicting the placing of a new-style permalloy covered cable between Newfoundland and the Azores recently. Then, comical but educational, came "Mr. Talkie Finds His Voice" which pictured in detail the rise to fame of this well-known gentleman. His distant relations were not neglected either, for the final reel to be run was "The Telephone Family Album," showing the varied units related to this kind of communication.

## Men Eager to Start Tour

After viewing so many interesting phases of Western Electric activity in this fashion, the men were eager to start the trip to find out how the company engineers managed "their wonders to perform."

Most of the remainder of the day was spent marvelling at the intricate machines and complicated processes through which raw material must be sent before it can become any of the ten thousand and one articles produced by the company.

Even the most sophisticated of the embryo engineers soon fell under the spell of their man-made magic. Easily the most fascinating sight was the wire-rolling department. Here red-hot billets of metal are rolled back and forth, swiftly becoming tenuous strands of writhing metal.

## Officials Deserve Credit

The trip was made possible and its success was ensured through the efforts of contact representative R. A. Poak of the London University, England, now Technical Superintendent at Hawthorne, G. R. Jewett, chief of college relations department, and H. S. Pace, personnel manager. To these men the students are indebted also for the further manifestation of the company's hospitality in the excellent and generous lunch provided at midday.

## AL CURZON'S MOTHER DIES

The mother of Al Curzon, the attendant on the cloak room, died last Tuesday, March 17. The funeral took place Friday from chapel at 63rd and Harvard. Interment was at Mount Greenwood.

## ARMOUR RIFLE CLUB TAKES ALL TEAM AND INDIVIDUAL TROPHIES IN STATE MEET

### Patla, Wilson, Sachs, Helmick, and Hollmann Form Unbeatable Armour Aggregation

#### DEFEAT OTHERS BY THREE HUNDRED POINTS

## Special Physics Course Planned

In view of the development and applications of electron and atomic physics to engineering problems, a course covering certain phases of these subjects will be offered in the Physics Department next fall.

Professor Thompson will have charge of the course which will consist of lectures and laboratory work, a minimum of four hours a week being planned. Particular attention will be paid to laboratory work on vacuum technique, studies of discharges in gases, and measurement of fundamental constants. Different types of radiations and their interpretations on modern physical theories will be studied.

It is desirable at this time to learn approximately how many men will be interested in this course in order to plan for next fall. Only seniors and juniors will be admitted, and the class will necessarily be limited. Will those interested please discuss the matter with Professor Thompson as soon as possible so that definite hours can be arranged?

## Glee Club Invited To Easter Service

At the last rehearsal of the Glee Club Dr. Protheroe spoke to the club about the Easter Sunday service at the Coliseum.

The service, which begins at 7:30 A. M., will be in the form of music and will not last over one hour, thereby, giving those who have services to attend elsewhere plenty of time to get there. An invitation was extended to the Glee Club as a body to go there and participate. Dr. Protheroe will lead the combined chorus of several thousand voices, and the program will be broadcast over the N.B.C. chain.

Dr. Protheroe also expressed the wish that the members be as prompt and as regular in their attendance as possible. It is only in this way that a chorus can be trained to perfection.

In view of the short time until the spring concert, it was suggested that two rehearsals be held the week preceding the concert. A day will be decided upon which will be the least conflicting date possible.

## Professor Phillips Is Home Due to Illness

Professor Alfred E. Phillips, head of the department of civil engineering has been absent from the Institute since last Tuesday because of illness.

Professor Phillips was not feeling well for more than a week before leaving school. He was at the Presbyterian Hospital for observation while undergoing treatment. It is not known when he will be able to return to school, but we hope he will convalesce quickly and be back with us soon.

Professor Stevens, and Grafton are conducting Professor Phillips' classes in seminar, sanitary engineering and contracts during his absence.

## TIBBALS ON CORONER'S JURY

Doctor C. A. Tibbals of the chemical engineering department has been absent from school last Wednesday, Thursday and Friday. He served as a member of the coroner's jury.

Climaxing an unusually successful season the Armour Tech Rifle Team copped the Illinois State Rifle Association's championship by a sizable margin.

Entered in the fifty foot range division of the meet, our team shot its way into first place during the first week of the six weeks' tournament and spent the remainder of the time in increasing its lead. In winning this championship the team has succeeded in adding another impressive trophy to the collection of the school.

In addition to the ordinary teams entered in this meet there were five National Guard and three American Legion teams. Our boys outshone the soldiers in every branch of the shooting.

The Armour men entered the tournament with the idea of winning the trophy for the school. But their enthusiasm carried them on to winning the first five places among individuals in addition to the medals they get as being members of the winning team.

#### Victory Was Predicted

Going by past records it was fairly easy to predict an Armour victory. To date the team has lost but two matches. The first was with the New York Stock Exchange and was dropped due to the fact that the men has just returned to school without any practice. Another match was lost by seven points to a team that used telescopic sights while our team used the regulation iron sights. This team, the Appleton Rifle Club, complimented Armour on giving them their closest match of the year. As you know the team won a trophy from Humboldt Park earlier in the season.

#### Scores of Team Close

The medals for the team have been ordered and will be in the hands of D. G. Wilson, president of the Armour Tech Rifle Club, the thirty-first of this month. The following scores are those of the team plus their standings in the meet (K. L. Hackley was entered as an individual):

- 1. S. J. Patla.....1138
- 2. D. G. Wilson.....1117
- 3. C. H. Sachs, Jr.....1108
- 4. A. H. Helmick.....1106
- 5. W. A. Hollmann.....1105
- 11. K. L. Hackley.....1073

These matches were conducted on the postal system. Each team was sent a set of marked targets to use. Then as soon as the field had stretched out, a man was sent out to watch the shooting of the leading teams. Our team shot their best set of targets when this watcher was present.

#### Slifer Post Doubtful

The Slifer American Legion Post seemed to doubt the ability of our men. They challenged them to a shoulder to shoulder match at their range during the tournament. Despite the fact that there were but three members of the Armour Team present with two of the club members as substitutes, Armour defeated the Legion team decisively. The Slifer Post, second in the tournament for the state title, trailed our team by nearly three hundred points.

S. J. Patla held the individual in the standing position while A. H. Helmick carried off first place in the prone department. Patla, Wilson, and Sachs will be awarded suitable medals for being the three highest in the tournament.

Now that the big event is over, the team is turning its efforts toward wiping out the two defeats against their record.



# Armour Tech News

Student Publication of the  
ARMOUR INSTITUTE OF TECHNOLOGY  
CHICAGO, ILLINOIS  
Published Weekly During the College Year



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\$2.00 Per Year Single Copies, 10 Cents Each

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Vol. VII MARCH 24, 1931 No. 7

"Genius is inconsiderate, self-relying, and, like unconscious beauty, without any intention to please."  
—Isaac Mayer Wise.  
Born March 31, 1819.

## Causes of Failure

At the beginning of each semester, most of us make mental resolutions that we are going to work with such earnestness that we may dismiss all fear of failure from our minds. But before the end of the term, some usually find that their resolutions have suffered degeneration to some extent, though the original intentions were genuinely sincere.

Everyone begins on an equal basis, and with the same opportunities. In the first recitation, the difference between students becomes apparent. One type pays the strictest attention, absorbing every word. The other wastes his time, dreaming of outside events. When it comes to homework, the latter is neglectful or copies. The classwork is dull and uninteresting, due to lack of preparation. Because of the increased difficulty of following assignments he fails to make the proper effort to master them. Add slightly irregular attendance and he has all the qualifications for a flunk notice.

It seems a small thing to come to school and borrow a classmate's homework to copy. Yet it does great harm to the person who continues to do it. Homework is given so that the work being studied is impressed on our minds. In copying another's homework, each step is not worked out in thought. Consequently, when examinations come the student is lost. He may cram but for him to pass the tests is an injustice as well as a miracle.

The student who backs up his good classwork by diligent home study finds the examinations simple and passes easily. Marks are based on three things: classwork, homework, and examinations. Make them perfect and the grade received will correspond.

Procrastination is another danger that awaits students in laboratories, shops, and drawing classes, where reports or plates are due at regular intervals. It is necessary to write up the experiment as they are performed rather than letting them pile up to be done at the last possible minute with the sacrifice of sleep or at the expense of other subjects.

By completing the work while the experiment is still fresh in our minds, complete and good reports can be prepared with the minimum expenditure of time.

Most of this semester is yet before; impressions are in the making. We must continue our watchful vigil throughout the year if our resolutions are to be protected from the ravages of negligence.

M. J. S.

## "The Slipstick"

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

### POAME

'Twas a vicious night, that night it was,  
What a vicious night it was,  
The rain it howled and howled and howled,  
And the rain it howled and howled;  
And the wind it fell in torrential drops  
And the wind in torrential drops fell.  
The thunder it blazed in streaks of white  
And it blazed and it blazed in white streaks.  
The lightning bellowed and rumbled and roared,  
White the lightning bellowed and roared.  
And the two rode out in an open sedan,  
What a wonderful night for love. (Oh yeahh!)  
—Joe.

'At's fine, Joe, come again.  
Howdy, folks, and thanxalot, Phil. We'll try our best to put on your boots, continue the journey of the good ship 'Slipstick,' and see that all hands aboard are kept satisfied.

With the long list of contributors printed last week we realize perfectly that we'll not have single bit of work to do ourself, (woe be unto us) but being as we are from Missouri, it will have to be proven.

Mail all contributions postpaid to the Armour Tech News box in the Grand Foyer of the Main Building.

We swore off Scotch jokes but this'n's too good.  
"Well MavTavish, how was your honeymoon?"  
"Oh fine, Niagara Falls is some place."  
"How'd the wife like it?"  
"Oh, I didn't take her. She'd been there two years ago."

Milton the poet was blind. The school marm, wishing to impress this point, asked her class if anyone could say what Milton's great affliction was.

"Yes'm," replied little Alcibiades, "he was a poet."

Chewing gum may not be a "fast mover" in the grocer's slanguage but it certainly has the greatest "turnover."

### NATURALLY

Chief Petty Officer: "The enemy are as thick as peas; what shall we do?"  
Higher up: "Shell them, you idiot, shell them."

### SUSPICIOUS

Beggar: "Won't youse give a poor man a nickel for a cup of coffee?"  
Farmer: "Wall, I don't know, but let's take a look at it."

## On the Senior Inspection Trip

Up this A. M. at five bells (after three hrs. of sleep). Ate hurried breakfast, cup java, slab bacon. Plowed 2 blocks thru 3 ft. sno and cot the dinky at 114 and Cottage Grove at 7 bells. Got to 63rd and Cottage at 9 bells. Lotsa sno, el cudn't get started, brakes slipped, got to loop at 10 bells, mebbe 10:15. Crossed bridge to take Metro el and slipped all the way down on other side, knocked down 3. Ran like (deleted) to the other end of platform to ketch Dug Pk. el. Was slower than (deleted) around loop, got out of loop 12 bells. Big crowd on at Union Depoe, one farmer talked to condy for 20 min. about crops, pulled out 1:00. Gang warfare at Halsted sta. held up train for 2 hrs, five killed, including twenty cops. Got to Cicero at 5 bells, six feet of sno.

Registered at Cicero Hotel at 6 bells, engaged room for tonite. Good thing I came out day before inspection trip thru W. E. Co.

Will have to ditch all classes Wed. since I will be on my way back to Chi; therefore and hence I will do my homework, except I left my books home. Since I have ten cents in my wallet I will get a steak supper, take in a sho, and go to a dance.

—Bloney.

Virge, Bill Dickey, and we were doin' a juice experiment yestidday, Virge being at the genny at one end of the lab while Bill was at the other at the power board terminals. We were ready to start when Virge yelled to Bill:

"Grab hold of two of them leads!!"  
"Okay, I got 'em."  
"Feel anything?"  
"Nope."  
"All right, don't touch the other two, they're 550 volt, 300 amp. leads."  
—Bill didn't.

HOUSEHOLD HINT. Two old evening gowns sewed together make an excellent pen-wiper.

Since Virge didn't get our juice yestidday there will be no last line this issue. Continued next week.

—The Bongineer.

## REVIEWS

N. BY E.

By Rockwell Kent

Conjecture upon the vast, incomprehensible elements of nature often leads to poetry. A special kind of beauty seems to be revealed, and the impressions upon the human mind, when recorded, have become the most valuable heritages of all literature; the sun and the stars, river and sea, mountain and valley, have by their mystery inspired eloquence that has lived through the ages.

In "N by E" we find at work some thing akin to that inexplicable force. And so, what might simply be an account of a voyage north by east to Greenland in a thirty-foot boat with a description of shipwreck and subsequent escape from death becomes, by virtue of inspiration, a vivid entrancing adventure; one completely beautiful. A prose style, in itself as smoothly flowing as the swift-running sea as enhanced by the most arresting figures of speech to make exposition, description and narrative equally delightful.

Outstanding, is the use of words to paint a picture; the most lofty and difficult employment to which they might be put, difficult because it requires a scientific exactness, lofty because in imagery the mind exalts itself above the prosaic. How does it feel to be in a storm? Rockwell Kent tells of "feeling of wind and wet and cold, feeling of lifting seas and steep descents, of rolling over as the wind gusts hit . . .". And how does it sound? He says ". . . of wind in the shrouds, of hard spray flung on drum-tight canvas, of rushing waters at the scuppers, of the gale shearing a tormented sea."

Continually, in "N by E" we are brought face to face with impressive realism. Note for instance, in the following excerpt, the forceful vividness with which the author describes the Labrador coast. See how he has detected the spirit of magnitude and forbidding grandeur. "A brown lanc against the evening sky, treeless and immensely bleak; and the bared out-cropping strata of the rock stood like a sea wall of coursed stone; of blocks so huge that, unconsciously concerning of mankind by their scale, we found ourselves immeasurably small." Not a word wasted, each fitting aptly into place with compactness and solidity that marks clear thinking; keen insight. It is no wonder that we find such reading enjoyably worth while and deserving of praise.

Rockwell Kent is known the world over as an illustrator of extraordinary ability. In "N by E" he includes a large number of expressive black-and-white drawings depicting various stages in his adventure, which like his writing, fairly breathes of life. One might, by studying these illustrations in their order of appearance, get a quite accurate impression of the entire story, and complete one as well.

Because "N by E" is a work of arresting beauty obtained with no sacrifice of realism or loss of interest, it should be classed as "one to be read."

—Morton Fagen.

## Men Registering for Future Chess Match

A chess tournament will take place at the Institute in the near future. To date six men have signed up. All those who wish to test their analytical skill are requested to sign up with Manuel Yzaguirre Ch E, '31.

## ARX NEWS

Those lucky freshman! Because of the senior problem due in a week, the sophomore and junior problem in three weeks and the freshman dance, the initiation must be postponed till some time in the middle of April. There are a number of advantages to this, the most important being that there is more time for the committee to make proper preparations. Another is that the weather will be more inviting in as much as the majority of "exercises" take place in Grant Park and the loop.

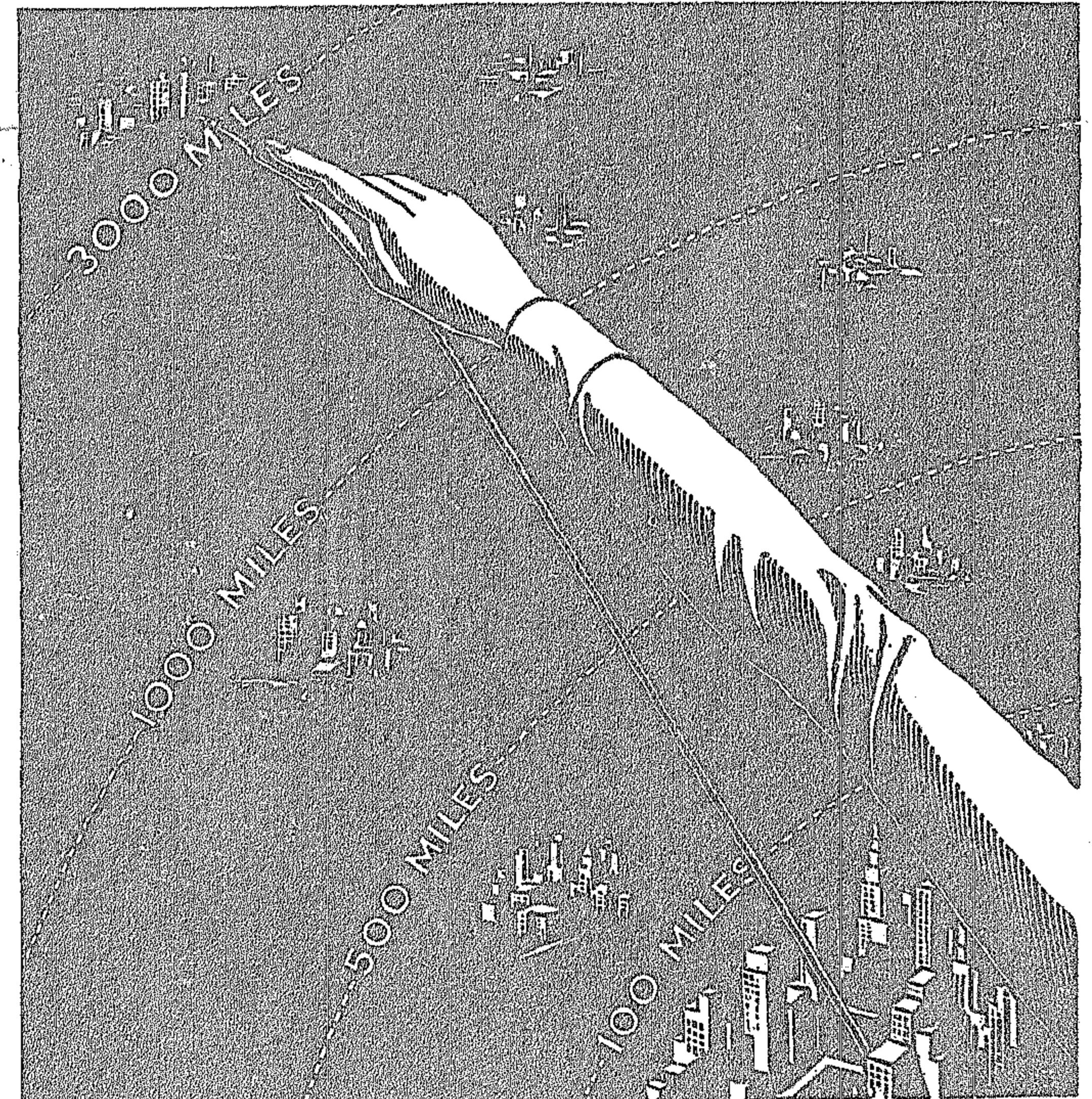
For the past week or so, there have been three plates, which were done by Mr. Krehbiel on exhibition in the Armour Rooms of the Art Institute. Each plate is about six by eight feet and is done in a modern art interpretation with brush and colored chalk. They were finished in about two hours, (that is, each one), and were done for ornamentation on the walls in the Cliff Dweller's club at a recent stag. If you want to see modern art in all its glory just take a peek at these.

The former editor of this column, Earl Kubicek, was down at the Art Institute last Tuesday. Earl has been sick with a bad case of scarlet fever and is still convalescing. He says he feels better now, though

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## STEPPING INTO A MODERN WORLD



## The long arm of the telephone operator ~ ~ ~ made longer

How to extend the operator's range five-fold? There's an example of the problems put up to a telephone engineer.

This was part of a study in stepping up the speed of service to distant points. "Long Distance" used to relay your call to one or more other operators. Now she herself reaches the city you are calling, 30 or 300 or 3000 miles away.

Result: in five years the average time needed to complete a long-distance connection has been cut from 7 minutes to less than 2 minutes.

In this industry even long approved methods are never considered beyond improvement. For men of the right aptitude, that viewpoint is a stimulating challenge.

## BELL SYSTEM



A NATION-WIDE SYSTEM OF INTER-CONNECTING TELEPHONES



**FRATERNITY NOTES**

**THETA XI**

Alpha Gamma of Theta Xi takes great pleasure in announcing the formal initiation of Professor A. W. Sear, as an honorary member, on Monday, March 16.

Alpha Gamma is also justly proud of the newly made brothers:

- J. L. Brenner, M. E., '34
- N. E. Colburn, C. E., '34
- E. G. Lundin, E. E., '34
- J. A. Larson, E. E., '34
- D. S. Manson, F. P. E., '34
- L. G. Rummel, C. E., '34
- J. H. Schamp, E. E., '34
- W. T. Smethells, F. P. E., '33

These men were formally initiated Saturday afternoon, March 7.

The annual Hard Times Party was held at the Chapter House last Saturday Evening. The "Dirty Seven" officiated and a wonderful time was in order for the alumni, guests, and brothers who attended.

Brother Leavitt has returned to school after a two weeks' vacation with the mumps.

**RHO DELTA RHO**

Preparations are being made for the "Studio Dance" to be held March 28, at the chapter house. All possible artistic ability will be exerted to lend the house a 'studioistic' atmosphere. This affair, held in conjunction with the chapter's alumni organization, will introduce an active week climaxed with the formal initiation April 3.

**DELTA TAU DELTA**

Delta Tau Delta announces the formal initiation of the following:

- George Bills, E. E. '34.
- James Duncan, F. P. E. '33.
- Fred Lowry, F. P. E. '34.
- George Gerhardt, Arch. '33.
- Fred Ollison, Ch. E. '33.
- Thomas Peavey, F. P. E. '34.
- Robert Schorling, Ch. E. '34.
- Louis Streb, C. E. '34.
- Robert Tufts, Arch. '33.

The initiation took place last Sunday afternoon, March 22, at the House. A number of alumni as well as the entire active body, were present for the ceremony and the banquet that followed.

**PHI PI PHI**

Formal initiation was held at the chapter house, March 14. The new brothers are:

- Richard Kaup, M. E. '34.
- James Castanes, C. E. '34.
- Leroy Lynch, C. E. '33.
- Robert Simpson, C. E. '34.
- Thelford Kelch, M. E. '34.

Gamma of Phi Pi Phi will hold its annual Formal Dinner dance in the Silver Club Room of the Knickerbocker Hotel next Saturday evening.

**BETA PSI**

F. C. Steinhaus, Arch. '27, returned for a visit on Saturday, March 14. He is at present employed in an architect's office in Sheboygan, Wis.

Some of the Alpha chapter boys dropped in at the house last week to post notice of their coming Easter dance to be held at the LaSalle Hotel.

**KAPPA DELTA TAU**

The formal initiation of the Kappa Delta Tau fraternity, which was to be held at the Dunes, was postponed because of weather conditions. The pledges were more than pleased with this announcement; but woe to them. The new date will be announced later.

A series of smokers have been arranged, that the alumni may keep in closer contact with the members and pledges.

**Dean's Office Issues Scholastic Standings**

(Continued from page one)

longing to the Phi Kappa Sigma, Kappa Delta, Phi Pi Phi, Triangle and Beta Psi fraternities, (fraternities that rent or own their own chapter house) is 84.5%.

The average of all other students is 84.2%.

In the above the following numerical values were given to the letter grades:

- A=97.5%; B=90.0%; C=80.0%;
- D=67.5%; E=50.0%; Cr.=80.0%.

**Engineer Distributed In Lobby on Monday**

The quarterly student publication "The Armour Engineer" was distributed yesterday in the lobby of the main building. A sketch of a building which is familiar to all Chicagoans was incorporated as the cover design of this issue. S. B. Cone, sophomore architect, presents his interpretation of the "333" building which is one of the outstanding towers on North Michigan Ave. The feature article of this issue was written by Earle G. Benson M. E., '25 who comments on the "Chicago Type of Bascule Bridge". Professor Thompson, member of the physics department, presents an article based on recent work done by him in the field of electricity. The title of this article is the "Conduction of Electricity Through Metals." Pro-

**ARMOUR GRAD TO ADDRESS F. P. E. S.**

An Armour graduate is to be the speaker at the regular bi-weekly meeting of the Fire Protection Engineering Society. Mr. E. F. Reschke F. P. E. '24 will talk to the Fires Friday, March 27, at 10:30 in Science Hall.

Mr. Reschke is connected with the Chicago Board of Fire Underwriters and will tell all about the methods of grading towns.

Professor Roesch publishes his second and concluding article in a series on Aircraft Engines. The student article this quarter was covered by H. S. Holt F. P. E. '31 in a discussion of the Fire Hazard in Aeroplane Hangers.

**Faculty, Employees Contribute to Fund**

The faculty and employees of Armour Institute have contributed to the \$10,000,000 Red Cross Fund. Under the guidance of G. S. Allison, who is chairman of the committee for Educational Institutions in the Red Cross, \$1052.16 was voluntarily donated by them for aid in the present unemployment and drought relief drive. Prof. Winston was in charge of the faculty committee and W. C. Palmer, cashier, collected from the employees.

Samuel Insull, Chicago financier, is in charge of Chicago proper and its metropolitan area. The drive has already gone a great deal over the ten million dollar mark.

**Phi Lambda Upsilon Announces Pledges**

At a smoker given by Phi Lambda Upsilon, honorary chemical engineering fraternity, last Thursday evening the following men were pledged:

- Ralph H. McCormack
- Stanley M. Lind
- Orville G. Linnell

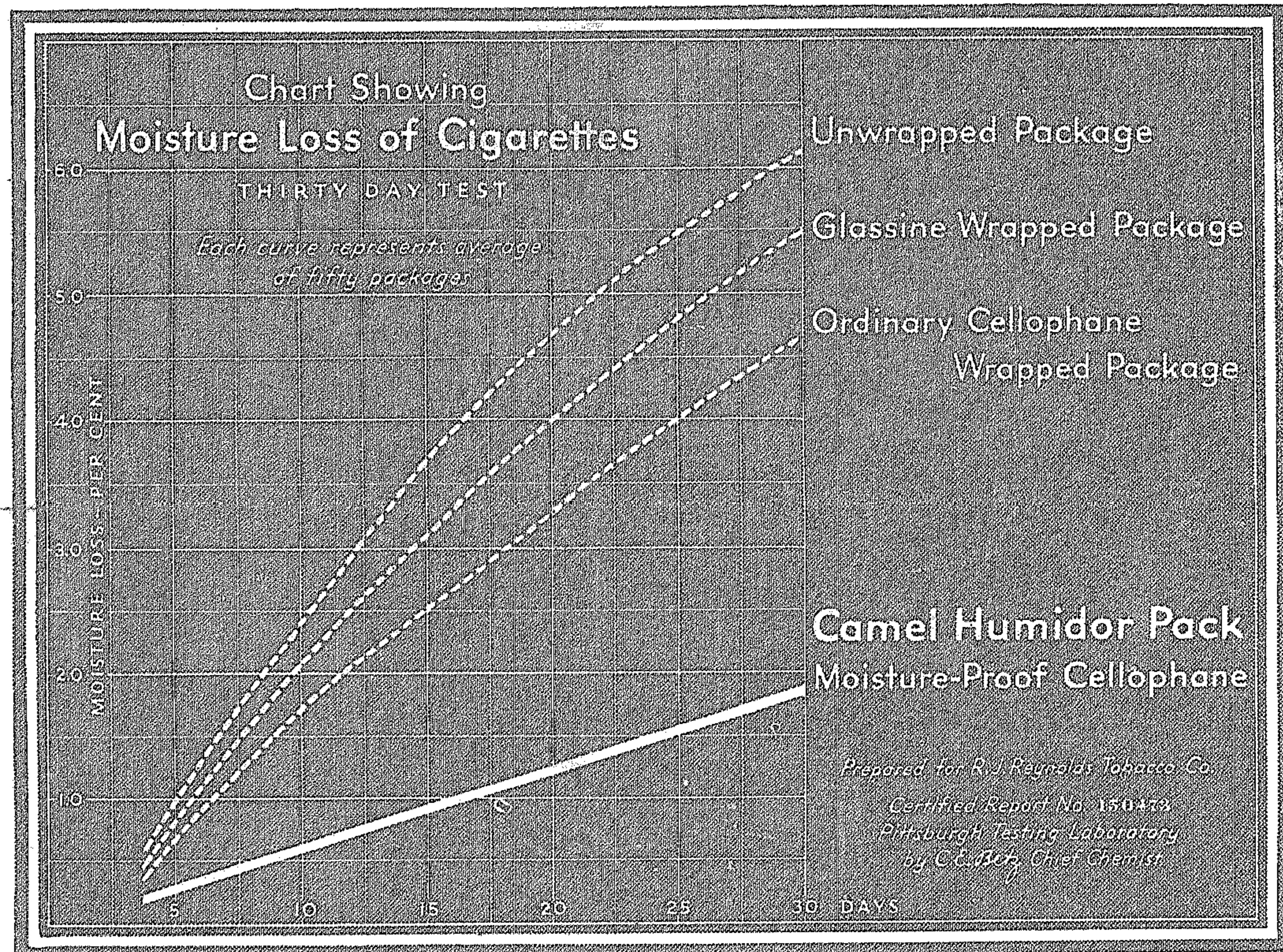
Refreshments, cards, stories and smokes were so skillfully proportioned that it was decided to have smokers every other week.

**NEW BOOKS**

- TECHNICAL**
- Modern Diesel Engine Practice  
Orville Adams
- Number, The Language of Science  
Tobias Dantzig
- A Short Table of Integrals  
B. O. Peirce
- The Young Man and Civil Engineering  
George Fillmore Swain

THE  
**BOULEVARD CAFETERIA**  
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No Cover Charge

# Smoke a FRESH Cigarette!



Cigarettes in prime condition have a moisture content of about 10%. It will be seen by the Pittsburgh Testing Laboratory Chart that cigarettes in the ordinary wrapped package lose more than half of their total moisture in thirty days and that only the Camel Humidor Pack delivers cigarettes to you in prime condition

**T**he whole country is talking about the throat-easy mildness and the prime freshness of Camel Cigarettes in the new Humidor Pack.

The above chart prepared by the Pittsburgh Testing Laboratory tells you why.

Please examine it carefully. It is an unerring guide to cigarette selection and enjoyment.

As you can quickly see by the three upper curves on this interesting chart, cigarettes that lack the protection of the Humidor Pack lose their moisture rapidly from the day they are manufactured.

And day by day as this moisture disappears, the smoke from these cigarettes becomes harsher, hotter, more unkind to the smoker's throat.

Not so with Camels!

The Humidor Pack is moisture proof and sealed airtight at every point. It protects the rich, flavorful

aroma of the choice Turkish and Domestic tobaccos of which Camels are blended.

*Make these tests yourself*

It is so easy to tell the difference between parched dry cigarettes and fresh prime Camels that it is no wonder everybody is reaching for a fresh cigarette today.

Your fingers identify stale, dried-out tobaccos at once. While a Camel is flexible and pliant.

Your ears can tell the difference too. For a dust-dry cigarette crackles under pressure.

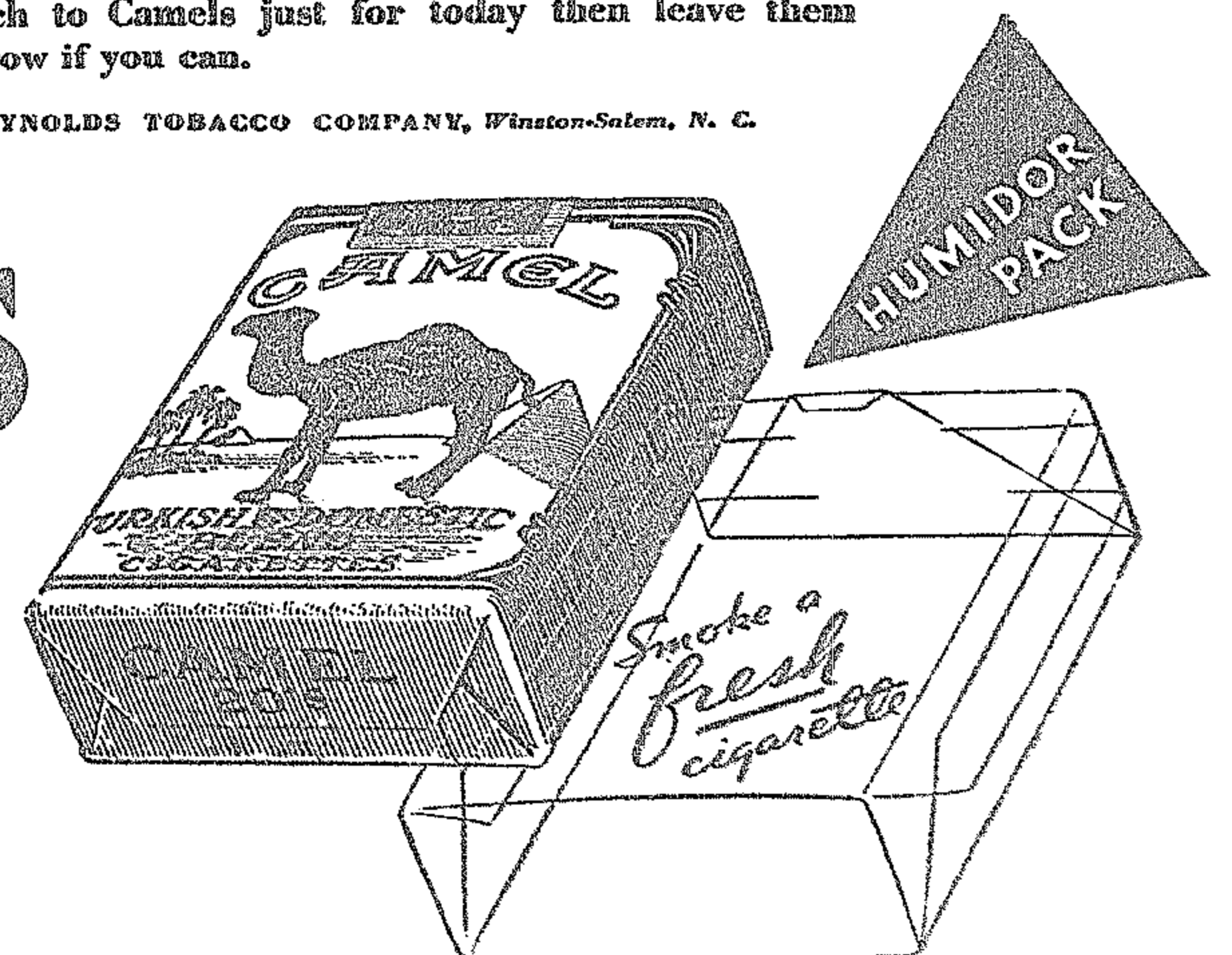
But the real test is taste and there is simply no comparison between the rich mildness of a Camel and the hot, brackish smoke from a stale, dry cigarette.

Switch to Camels just for today then leave them tomorrow if you can.

R. J. REYNOLDS TOBACCO COMPANY, Winston-Salem, N. C.

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# LOYOLA UNIVERSITY WINS THIRD ANNUAL ARMOUR INVITATIONAL TRACK MEET

## Black and East of The University of Chicago Crack Records in 50-Yard Dash Hurdles

### ELEVEN COLLEGES TO COMPETE

Loyola University, scoring 81 points, won the Third Annual Armour Indoor Invitation meet last Saturday night at Bartlett Gymnasium. The University of Chicago was second with 74 points, Lake Forest took third with 40 points, and Armour gathered 34 points for fourth place.

Eleven colleges represented by 120 athletes competed in the meet. The University of Chicago with eight men competing won five out of a possible ten first places.

**Three Records Made by U. of C.**  
Two meet records were broken and one relay record was established in the two-thirds mile relay. East of Chicago won the 50-yard dash in 5.5 seconds, breaking the old record of 5.6 made by Root of Chicago in 1929.

Black of Chicago, running the 50-yard high hurdles in 6.6 seconds clipped 1/10 second off the old mark of 6.7 established by Thompson of Marquette University last year.

The University of Chicago 8 lap relay squad, Jontry, East, Ramsey, and Cameron, established a meet record by winning the two-thirds mile relay in 2:13.2. Loyola University ran second and Armour, represented by Fox, Hirsch, Nelson, and A. H. Jens, copped third place out of five teams running.

**O'Neill of Loyola High Scorer**  
O'Neill of Loyola was high point man of the meet, scoring 18 points by winning first place in the one mile run and second place in the 880 yard dash.

Captain Frank James of Armour ran a thrilling race in the two mile run to defeat Murtaugh, Loyola, in the last ten yards for second place. Kadon of the University of Chicago won the event in 10:24.

**Jens Fourth in 50-yard Dash**  
A. H. Jens won fourth place in the finals of the 50-yard dash out of a field of 21 starters. He placed second in the second preliminary heat and first in the first heat of the semi-finals.

Loyola clinched first place in the meet by winning the first four places in the 880 yard run. Lake Forest received the majority of its points in the pole vault copping second, third, fourth, and fifth places.

**Fox, Hirsch Place in 440**  
Captain H. L. Fox, and K. S. Kirsch placed fourth and fifth respectively in the finals of the 440 yard run, which was decided by the best times in the two heats. They ran second and third in the first heat. Nelson and C. Jens won a fourth and a fifth place in the high jump and in the shot put.

Dan Iverson ran third in the second heat of the 880 yard run but failed to place in the finals.

### SUMMARIES.

**50-yard dash**—Semi-finals, 1st heat, won by A. H. Jens, Armour. Time—5.8.

**50-yard dash**—Semi-finals, 2nd heat, won by Ramsey, Chicago. Time—5.7.

**50-yard dash**—Semi-finals, 3rd heat, won by Stroebel, Loyola. Time—5.6.

**50-yard dash**—Semi-finals, 4th heat, won by East, Chicago. Time—5.8.

**50-yard dash**—Finals, won by East, Chicago; second, Ramsey, Chicago; third, Stroebel, Loyola; fourth, A. H. Jens, Armour. Time—5.5. (New meet record; old record held by Root, Chicago, 1929—5.6.)

**50-yard high hurdles**—Finals, won by Black, Chicago; second, Hayden, Chicago; third, Parker, Lake Forest; fourth, Leiberman, Loyola. Time—6.6. (New meet record, old record held by Thompson, Marquette, 1930—6.7.)

**440-yard dash**—1st heat, won by Cameron, Chicago; second, H. L. Fox, Armour; third, Hirsch, Armour; fourth, Steinback, Elmhurst; fifth, Van Slate, Milwaukee Teachers. Time—53.2.

Table of Points	
Loyola	81
U. of Chicago	74
Lake Forest	40
Armour	34
Milwaukee Teachers	23
Elmhurst	22
Chicago Normal	10
Crane	10
Beloit	2

**440-yard dash**—2nd heat, won by Jontry, Chicago; second, Mann, Loyola; third, Spring, Lake Forest; fourth, Schroeder, Loyola; fifth, Hoff, Morton. Time—53.4.

**440-yard dash**—Finals, won by Cameron, Chicago; second, Jontry, Chicago; third, Mann, Loyola; fourth, Fox, Armour; fifth, Hirsch, Armour. Time—53.2. (Decided by best times in the two heats.)

**880-yard run**—1st heat, won by Wieland, Loyola; second, O'Neill, Loyola; third, Golyer, Beloit; fourth, Nelson, Armour; fifth, Ruhl, Elmhurst. Time—2:04.8.

**880-yard run**—2nd heat, won by Heally, Loyola; second, Johnson, Loyola; third, Iverson, Armour; fourth, Greenburg, Crane; fifth, Jenrich, Milwaukee. Time—2:05.3

**880-yard run**—Finals, won by Wieland, Loyola; second, O'Neill, Loyola; third, Heally, Loyola; fourth, Johnson, Loyola; fifth, Golyer, Beloit. Time—2:04.8. (Decided by best times in the two heats.)

**One mile run**—won by O'Neill, Loyola; second, Ruhl, Elmhurst; third, Heally, Loyola; fourth, Sade-man, Armour; fifth, Pessin, Milwaukee. Time—4:40.3.

**Two-mile run**—won by Kadin, Chicago; second, James, Armour; third, Murtaugh, Loyola; fourth, Landmeier, Elmhurst; fifth, Foster, Milwaukee. Time—10:24.

**Shot put**—won by Gerboth, Milwaukee; second, Hardt, Lake Forest; third, Parker, Lake Forest; fourth, Frateski, Crane; fifth, C. Jens, Armour. Distance—42 feet 2 1/4 inches.

**Pole vault**—won by Cash, Elmhurst; second, Parker, Lake Forest; third, Stralko, Lake Forest; fourth, Onion, Lake Forest; fifth, Miller, Lake Forest. Height—10 feet 6 inches.

**High jump**—won by Brefford, Chicago Normal; Walsh, Loyola, and Ernst, Milwaukee, tied for second; fourth, Nelson, Armour; fifth, Grech, Crane. Height—5 feet, 11 inches.

**8 Lap Relay**—won by Chicago (Jontry, East, Ramsey, Cameron); second, Loyola; third, Armour; fourth, Crane; fifth, Milwaukee. Time—2:13.2. (Establishes a meet record.)

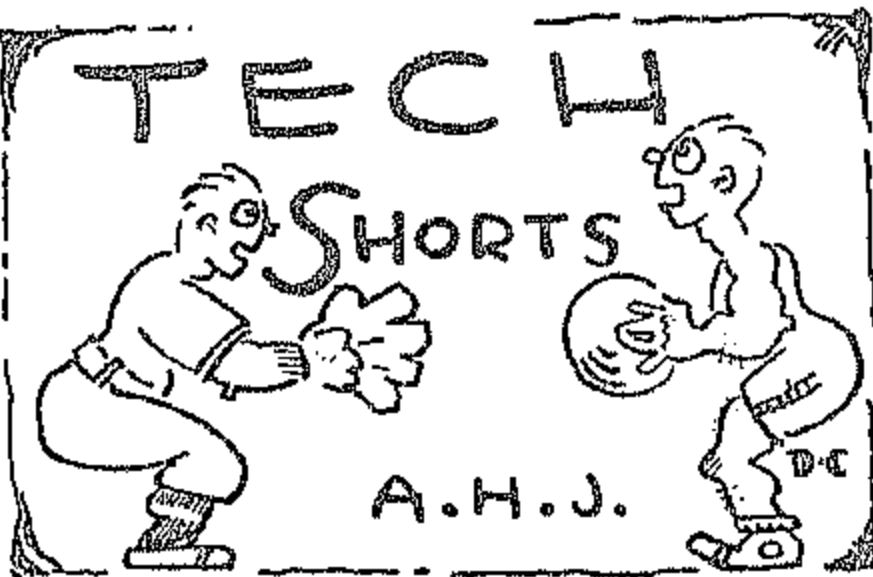
### Tech's Medley Relay Cops Second Place

Armour's 1 1/8 mile medley relay team composed of Captain H. L. Fox, 440-yard dash; A. H. Jens, 220-yard dash; Captain F. M. James, 880-yard run; and G. S. Nelson, one-mile run, placed second in the college relay at the Bankers' track meet, held last Thursday night at the 124th Field Artillery Armory.

Loyola University relay won first place in 8:09.4, while Lake Forest placed third.

Betty Robinson, Olympic sprint champion, was the star of the meet, setting new world's records for girls in the 60 and 70-yard dashes, and equalling the record in the 50-yard dash. The records now are :06, :07, and :07.9.

A. H. Jens ran third in his heat in the trial heats of the 70-yard dash. Coach Stagg will probably enter a medley relay team and also individual runners in the 32nd Annual Central A.A.U. Championships to be held at the Oak Park High School track next Friday night at 7:30 p. m.



### Good Bye Winter

Track and boxing are the only winter sports which are still enjoying an active season. Last Friday the Tech boxers met Loyola in a 10 match program in the Armour Gym.

### What'a Life

Varsity trackmen have been especially busy in the past week with relay and invitation meets. The first of three was the 14th annual Illinois Relay Carnival at Urbana on March 14. Then the American Institute of Bankers meet was held last Thursday followed by the Armour Tech Invitational meet Saturday evening. All of these included in their programs events for college teams. Until recently events especially for college track teams were not included. This perhaps was due to lack of interest on the part of the colleges.

### Fair to All

Tech's own invitational meet is conducted with view to attract the smaller colleges. Competition is usually with other schools of the same size, therefore all teams compete on relatively the same basis.

### One Mile Relay

At Illinois last week Tech's one-mile relay team did well in the field of 15 teams competing. George Nelson, freshman architect, ran the first leg of the race. He gave the orange and blue baton to Harold Fox who passed it to Hirsch. Frank James ran in fourth position. To determine the place of the Armour team is rather difficult as the race was run in two sections. We will say that Tech finished in about eighth position.

### Reached Semi-Finals

We went along on the trip and competed in the 75 yard dash which was won by Eddie Tolon of Michigan. All we can say is that we reached the semi-finals. For further information page this writer.

### Medley Team Second

On Thursday, Tech's one and seven-eighths mile relay team copped second place in the College Medley race at the Bankers Meet. Silver medals were awarded to the four members of the team.

Coming on Friday of this week is the Central A. A. U. championship meet at Oak Park High School. Last year Don Paul was an easy victor in the shot put. Entries for this meet have not been selected by track coach Stagg.

### Return Loyola Meet

The swimming situation with Loyola has not yet been straightened out. Another dual meet was to have been held this week but the between-semester at Chicago prevent using the tank. As close as the swimming team can figure the meet will be held the first week in April. Both teams are out to show the other just who was victor in the last meet.

Loyola also figures in a boxing match to be held at the north side school on April 8th.

### We Like School Tournaments

Two tournaments are looked for in the very near future. Friday the first boxing tournament is to be held and as soon as the weather permits, the annual golf tournament will be held. This golf business must establish some sort of a record. The tournament begins early in spring and a champion is declared about the time the snow flies the next autumn. Medals emblematic of Armour Tech Champions are to be awarded in each of these events.

### New Style Manager Award

The A. T. A. A. got together last week and decided on several changes in varsity awards. Manager's letters from now on are to be of the block shape, yellow chinelle, with the letters MGR. in black. This replaces the old English type of "A" that was formerly given.

### Two Teams

Captain Eddy is planning to have two tennis teams this year. This will allow for places for eight men on the varsity instead of six as before.

## Fielders Start Work This Week

Coach Krafft's call for infielders and outfielders last Friday was met with response by 27 candidates. A total of 45 men including the pitchers and catchers who had previously reported, assembled in room A of the Main Building to organize the 1931 team.

Krafft opened the meeting with an announcement to the effect that outdoor work will be started this week if weather conditions permit. Several days of training, however, will have to be spent in the gymnasium in order that the candidates may loosen their muscles before they assume the more strenuous duties out on the field.

### Hard Schedule Ahead

Following the announcement, Krafft sermoned to the boys on the importance of developing a competitive spirit in the game. He related the conditions under which a less capable player may supplant the better player if he is earnest, attentive and keeps physically fit.

In reviewing the schedule Krafft informed the men that this year's program will comprise games with some of the best colleges in the middle west. The University of Chicago, Notre Dame and Western State Normal will be met this year. The assembly was given a few points on the technique of the game. Among the points stressed were those of fielding ground balls, batting and throwing.

Following is the list of men who appeared at last Friday's meeting:

### Candidates For Infield

Robin, '32, 1st base; Scafari, '33, short stop; Weldon, '33, 2nd base; R. Simpson, '34, 3rd base; Schohl, '31, 2nd base; T. Omiecinski, '34, infield-outfield; Moskowitz, '34, short stop; V. Omiecinski, '34, 3rd base; Levy, '34, infield, Alberti, '34, 2nd base; Young, '32, infield.

### Candidates For Outfield

Pepe, '31; C. Jens, '31; Reed, '34; Lukas, '34; Fiala, '31; Thompson, '34; Curran, '33; Davies, '33; Mueller, '32; James, '31; White, '34; Dri-got, '31; Johnson, '33; Castanes, '34; Dirkers, '32.

### Pitchers

Clear, '32; Stehno, '31; Sommer, '33; Resag, '34; Mago, '32; Lynch, '34; Richardson, '34; Buehne, '33; Cannell, '32.

### Catchers

Link, '31; Yuknis, '34; Cramer, '34; DeOrio, '32.

## Seven Men Get Major Awards in Basketball

At the last meeting of the Board of Athletic Control the old officers were unanimously reelected. The officers are: Professor P. C. Huntly, President; Mr. G. S. Allison, Treasurer; Coach W. C. Krafft, Secretary. Professor Huntly was elected November 13, 1924 and has served in that capacity since that time. He succeeded Professor Schommer.

A committee was chosen to nominate the student representatives for the A. T. A. A.

The following men were awarded major letters in basketball: Rossing, Robin, Beemsterboer, Ott, Miran, T. Omiecinski, Rutkowski. Erland was awarded a Manager's letter.

## Tracks Champs to Be Given Charms

Interclass track championship awards were given out this week to the following men of the class of '31:

- H. L. Fox.
- F. M. James.
- A. H. Jens.
- D. J. Iverson.
- R. M. Krause.
- W. M. Miran.
- H. C. Setterberg.
- J. F. Borrowdale.

The awards consisted of a watch charm in the form of a gold flying shoe with an "A" on it. The words, Interclass Champions, 1931, were printed on the back.

Fox, James, Jens, and Iverson have been on the Interclass Championship teams for the past three years.

## ARMOUR BOXERS OUTPUNCH LOYOLA LEATHER PUSHERS

### Tech Pugs Take Three Out of Five Fast Bouts

### BIG CROWD PRESENT

Armour's leather pushers out-punched the reputable Loyola boxers in 3 of the 5 bouts held in the school gymnasium last Friday.

Two hundred and fifty fans assembled at the ring and animated the proceedings with cheers and yells as the Armour pugs pounded out their victories.

One knockout, and four decisions ruled the winners in the battles. Mago, Armour's middleweight hammered out his knockout in the first round. Ustryski winner over Stadler presented a hard punching exhibition which made the fight look as though it would terminate in a knockout. Sandstrom's victory was the outcome of a brilliant battle in which both fighters displayed a great deal of aggressiveness and exacted smart defense work.

### Montesano Loses Close Decision

Montesano lost his fight to Cali on a very close decision. His failure was largely attributed to the disadvantage he had in facing a much taller opponent. The fight between Kusan and Lutz provided but little attraction as Kusan staged a defensive battle while Lutz took the part as aggressor.

With the score tied 2-2, Coach Sol Weissman presented his last contender against Loyola. Charley Mago took his post to bring victory or defeat to Armour's boxing team, but needless to mention it was a victory and the most impressive that was attained in Friday night's boxing exhibition.

### Mago K.O.'s Opponent

Mago's opponent is reputed as one of the best on Loyola's card. He entered the ring with confidence and delivered a few blows which served to prove that Mago was up against rough competition. Both fighters landed terrific blows in that minute of fighting but Mago managed to donate one good hard right cross that sent Brundza into a daze. Brundza arose on the nine count but could not support himself with the result that the battle ended with a knockout. He remained in a daze for fully two minutes after the referee delivered his count of 10.

### Ustryski Wins As of Old

Captain Ustryski again gave Armour enthusiasts a chance to see what hard punches are like and how opponents must acknowledge them when he hammered out a decision over Stadler. Stadler was punched out of the ropes twice in the first round and received a terrific right and left arm jolts throughout the fight.

On the opening of the third round Ustryski became rampant with his lefts. The fans went into an uproar yelling for a knockout but time was too short and Ustryski was obliged to satisfy the fans by receiving the decision.

Montesano and Cali, were matched for the first fight. Their first round was a bit slow as neither fighter

## Tech Glove Bouts Friday Afternoon

Next Friday, Armour will hold its first inter-school boxing tournament. The program will bring together 17 pugs who have occupied but little of the lime-light that flashes over the pugilistic game, but who will stage a show that'll compare with any.

The tournament was postponed from last Friday on account of the Loyola-Armour varsity boxing meeting. With all obstacles now removed the scene will take place between the pugs who are inclined towards knocking each other into fistic oblivion in their quest for medals and chances for regular berths on the varsity.

Since scientific boxing is rapidly replacing the old fashioned slugfests of yore, it is hoped that Armour students will appreciate the return of the hammer and axe exhibitions when the fighters match each other this week. It is quite safe to predict that the contenders who lack the knowledge gained through coaching and teaching such as the varsity receives, will depend on brawn and the other man's weakness for their victories.

### Slugfests Promised Spectators

The student body is especially urged to attend these encounters as the boys participating will feel as if their efforts are appreciated. None will guarantee that the show will enlighten pupils of the fisticuff sport on the fine points of the game, but a promise is made that witnesses of the spectacle will be enlightened on the matter of knowing what a good entertainment is.

Those participating are advised to bring certificates of approval from their parents. Accidents very seldom happen in brawls of this character, but an approval is necessary.

### Following is the list of entrants:

- E. Cordes, Melcarek, Kelch, Bacci, W. Kusan, C. Zukowski, F. Koko, F. Hromada, C. Sommer, S. Cannell, T. Gault, W. Resag, White, M. Lukas, R. Nelson, C. Jens and A. Hoffberg.

electd to be the aggressor. The second round found the pugs more determined but numerous clinches spoiled the fight from developing into a heated battle. Montesano came through strong in the third round and located Cali's jaw repeatedly. This final round was won deliberately by Monty but he failed to get the decision since Cali had a slight edge in the first two rounds.

The fight in the 130 pound class between Kusan and Lutz was one in which two fighters matched each other's prowess by employing entirely different tactics. Kusan fought a great defensive battle, guarding himself so fully that his opponent located but few punches to the body or jaw. Lutz hit Kusan hard and often but every punch was stopped with Kusan's gloves.

The outstanding fight from the scientific point of view was staged between Sandstrom and Wiley. Both fighters rushed each other throughout the three rounds. Each guarded himself well and each took part as the aggressor. Sandstrom, however, paced many hard left hand blows which dazed Wiley and made victory the ultimate result.

### RESULTS

- 110 lbs.—Montesano lost to Cali.
- 112 lbs.—Sandstrom defeated Wiley.
- 135 lbs.—Kusan lost to Lutz.
- 150 lbs.—Ustryski defeated Stadler.
- 162 lbs.—Mago knocked out Brundza.

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