



## Nauman, Wagner Top First Ballot

### Run-off Vote for Head Junior Marshal To Be Cast Tomorrow by '38

Calvin K. Nauman and Edward F. Wagner are the candidates for head marshal to be elected in a runoff election tomorrow.

Wagner, favorite of the Chemical Engineers, received the highest number of votes, while Nauman of the Mechanical Department, was a very close second. One of these two men will be head marshal and will be assisted in the administration of Junior Week activities by the other and the following men: Frank I. Hebenstreit, representing the Electrical Engineering department; Carmen L. Basile, a Civil Engineer; James D. Sheehan, Fire Protection department; and Walter Litwin, Architect.

#### Run-off to be Tomorrow

The run-off election will be held tomorrow between 9:30 and 2:00 o'clock. In the preliminary election held last Friday 132 votes were cast representing a large majority of the class. Since the office of Junior Marshal is one of the highest honors that can be awarded a man by his fellow students, great care is used by the junior classes in order that they may select the men who are most deserving of the honor. The class of 1938, according to reports, is confident that they have made excellent choices.

#### School's Biggest Affair


Junior Week, which is tentatively scheduled this year for the second week in May, is the biggest affair of the school year in which all students participate. It is the one week during the year when the classroom gives way to extra-curricular activities, and when work is supplanted by play.

Monday of Junior Week has in the (Continued on page 3)

9<sup>TH</sup> ANNUAL

# ARMOUR TECH

## RELAY GAMES



U. OF C.  
FIELD HOUSE

MARCH 20 1937

J. KICHAVEN

## Four Hundred Track Stars To Compete in Annual Relay Games

### Thirty-five Colleges and Universities Will Participate in Ninth Running of Famous Middle Western Meet

#### GAMES ARE DEDICATED TO LATE JUDGE STEFFEN

### Office Releases First Semester's Student Averages

Scholastic standings for the first semester of the current school year were released last week by the Registrar's office. The average of the total undergraduate student body, not including the part time, special and co-operative students, is 1.44, with the senior class in the lead with an average of 1.73. The junior class comes second with an average of 1.66 with the sophomore class following with an average of 1.37. The freshmen are the lowest with an average of 1.19.

John Robert Gerhardt of the freshman class leads the individual averages with 3.00. George R. Derrig of the sophomore class is next with an average of 2.96. William P. Graupner of the senior class and William R. Marshall of the junior class vie for third place with an average of 2.93.

#### Now of National Prominence

Departmental averages reveal that the department of Fire Protection engineering is high with an average of 1.91. The other departments, in order are Science, 1.77; Civil engineering, 1.70; Chemical engineering, 1.62; Electrical engineering, 1.58; Mechanical engineering, 1.45, and Architecture, 1.43.

Phi Lambda Upsilon leads the honorary fraternities with an average of 2.47. Tau Beta Pi is second with an average of 2.38 followed by Salamander, 2.36; Eta Kappa Nu, 2.34; Chi Epsilon, 2.31, and Pi Tau Sigma, 2.08. Non-scholastic honoraries place Sphinx first with an average of 2.15 followed by Pi Nu Epsilon, 1.78.

#### Alpha Chi Sigma Leads Group

Alpha Chi Sigma of the professional group is first with an average of 2.14, followed by the Scarab, 1.83. Social fraternities place Sigma Alpha Mu first with an average of 1.88 followed by Triangle, 1.83; Theta Xi, 1.67; Rho Delta Rho, 1.62; Pi Kappa Phi, 1.50; Delta Tau Delta, 1.39; Phi Pi Phi, 1.28, and Phi Kappa Sigma, 1.22.

The average of all students belonging to fraternities that own or rent their own chapter house is 1.41 while the average of all other students is 1.45.

### Freshman Advisory Board Is Appointed

With the completion of the freshman orientation tests, Dean C. A. Tibbals has announced the freshman advisory board for the current semester. The board is composed of members of the faculty who are particularly fitted to aid the freshmen in the solution of problems which invariably confront the new student. Those who comprise the board are Dr. C. G. Anderson, Professor S. F. Bibb, Mr. W. B. Fulghum, Mr. C. O. Harris, Professor L. J. Lease, Dr. R. H. Manley, Professor W. H. Seegriff, Professor S. M. Spears, Professor W. L. Suter, and Dr. G. C. Weber.

Assignments of the freshmen to the various advisers have been made and are now posted on the bulletin board. The freshmen should consult this notice to ascertain their respective advisers as consultation with them will be of invaluable aid to the new student.

By E. H. Worcester

Featuring a galaxy of four hundred track and field stars representing thirty-five colleges and universities from eight states, the curtain will rise at seven o'clock Saturday evening, March 20, on the Ninth Annual Armour Tech Relay Games. The games will be staged in the University of Chicago Fieldhouse, with preliminaries in the dash and hurdle events run off between four and five o'clock in the afternoon.

#### Dedicated to Late Judge Steffen

John J. Schommer of Armour Tech is chairman of the committee in charge, assisted by track coach, Norman Root and Mr. G. S. Allison. The Armour Relay Games are being dedicated to Judge Walter P. Steffen, for years head finish judge of the games, who recently passed away.

#### Originally Triangular Meet

Originally the Tech Relay Games consisted of a triangular meet between Chicago, Armour and some other middle western college. Lonny Stagg, then of Chicago University, and John J. Schommer of Armour conceived the idea of increasing the number of participants by inviting several prominent middle state colleges to compete in the annual affair. Each year the number of contestants was augmented with the growing number of colleges and universities participating. Having gained national prominence in the world of track and field competition, the annual meetings were incorporated into the Armour Tech Relay Games in 1929. Today they are recognized as one of the most important gatherings of athletes during the nation's track season.

Distinctive is the classification of (Continued on page 6)

### Frosh Dance Has Social Spotlight

When the "Wearing of the Green" with its attendant furor dies away other music will bring the freshmen back into the limelight with the Green Cap Ball at the Bal Tabarin featuring Jack Chapman and his band.

Presenting one of the most versatile bands to play at an Armour dance the freshmen are confident of outstripping all other classes in their initial social affair April 2. Promises social chairman Eugene Worcester, "Our dance will eclipse all other events held this year. With a larger attendance at each succeeding dance this year I am sure the Green Cap Ball will have the greatest crowd."

#### Feature Spring Setting

Hotel Sherman's Bal Tabarin will present a completely changed appearance when the dance opens. A modern spring dance floor recently installed will delight the dancers with the resilient surface it affords them. This latest development is as yet in very few ballrooms, and, coupled with recent redecoration and enlargement, the Bal Tabarin will provide an irresistible lure. Maximum room for the dancers will be available, for the floor will be cleared of all tables.

#### Poster Contest This Week

Additional attractions are two and a half free bids offered in a poster contest. Bids priced at \$1.50 are now on sale, and can be procured from the members of the social committee, L. D. Downing, E. H. Horn, W. I. Miller, and W. F. Yeager, as well as several other members of the freshman class.

## Dr. Max Jakob, Noted Authority On Heat Transfer, Arrives at Armour

### Heat Flow Problems To Be Investigated

Dr. Max Jakob renowned scientist, engineer, and authority on applied thermodynamics, last week arrived from Germany to take up his duties at Armour as an associate investigator in the recently-formed Research Foundation. His research activities will be confined to the investigation of abstruse problems pertaining to evaporation, condensation and heat flow.

#### Holds Several Degrees

In 1900, Dr. Jakob graduated from the Technische Hochschule, Munich, Germany, with a bachelor of science degree in electrical engineering. The following year he received another engineering degree in technical physics from the same institute. Incidentally, the Technische Hochschule is not a technical high school as the name would seem to imply, but is considered one of the outstanding technical institutes of Europe. In the interval 1902-1906, Dr. Jakob held the position of Assistant Professor in the Laboratory of Technical Physics at the Technische Hochschule. While engaged in this work the school honored him with the title of Doctor of Engineering in view of his achievements in this field.

#### Former Consulting Engineer

The period 1906-1910 marked his temporary departure from scholastic work to hold consulting engineering positions in technical industries. He first served as engineer for the A.E.G. Works, Berlin, which may be likened to the G.E. Corp. of the United States. The Lahmeyer Works of Frankfurt and the Brown Boveri Company of Switzerland later employed him as engineer after his de-



Dr. Max Jakob

parture from the A.E.G. Works.

The year 1910 marked his re-entrance into the field of pure scientific research and organization, by his becoming a member of the Technical College of Berlin. Paralleling these activities he served as scientific adviser to the Verein Deutscher Ingenieur, a position which he held until 1933. Climaxing his brilliant career as a scientist and engineer was his appointment in 1922 as the head of what might be termed Germany's Bureau of Standards. Demonstrating his indefatigable energies in the field of research, he then became a prominent figure in the realm of thermodynamical research by becoming chairman of numerous research committees, by authoring a handbook of chemistry, and by founding the official publication of the Verein Deutscher Ingenieur.

In 1936, Dr. Jakob conducted a lecture tour covering many of the prominent schools in the United

(Continued on page 3)

## Electrical Lab Gets Television Apparatus

New television apparatus in the form of a dual telephone-television unit was added to the equipment of Armour's electrical laboratory last Friday. The unit consists of a television transmitter an intermediate power supply and a television receiver. The transmitter is of the mechanical variety consisting of several photo electric cells which are mounted on the front panel of the transmitter and employs a scanning disc. The unit was formerly used in demonstrations.

This apparatus produces an image by light waves in small square patterns that combine to form a picture.

## Cycle Begins Picture Schedule Tomorrow

Pictures for the Cycle of '37 will be taken today and tomorrow in the gymnasium on the fourth floor of the Main Building. Students will be excused from classes only at the time scheduled for their picture.

The schedule for pictures is as follows:

- Tuesday, March 16—**  
 8:30-9:30—Junior E.E., M.E., Arch.  
 9:30-10:30—Freshmen A-L  
 10:30-11:30—Sophomore E.E., M.E., Arch.  
 1:00-2:00—Sophomore Ch.E., C.E., F.P.E., Eng. Sc.  
 2:00-3:00—Junior Ch.E., C.E., F.P.E., Eng. Sc.  
 3:00-4:00—Sophomore Coops.
- Wednesday, March 17—**  
 8:30-9:30—Senior E.E., M.E., F.P.E.  
 9:30-10:30—Senior Ch.E., C.E., Arch., Eng. Sc.  
 10:30-11:30—Radio Club, Rifle Club, Chess Club, Honor "A".  
 11:30-12:30—Freshmen M-Z.
- P. M. Martin, editor of the *Cycle*, requests that those who are to have their pictures taken arrive at the scheduled time and leave immediately after their picture is taken.

## Guild To Present Play, 'Winterset'

"Winterset," Maxwell Anderson's powerful drama has been announced as the next play to be produced by the Armour Players Guild under the auspices of the Players Guild. The play was chosen by the Players Guild after a lengthy discussion and debate as to its possibilities in regards to college production.

#### Tryouts Wednesday

Mr. Fulghum, Players' sponsor, has announced Wednesday, March 18 as the day for the first tryouts. All students, whether members of the Players or not, are invited to attend the first meeting which will be held in the Auditorium. The Players Guild also discussed the site of the performance, and it is anticipated that the play will be held in a downtown theater which will provide proper facilities for stage settings.

#### Winterset Chosen Best of 1936

Mr. Anderson's play was chosen in 1936 by the New York Drama Critics Circle as the best American play of the season. In its citation the Circle stated that "Winterset" combines "high literary distinction with compelling theatrical effect."

In this new drama, we find that Mr. Anderson has turned his poetic gifts on a modern subject. The story is presumably based on the Sacco-Vanzetti case. The chief characters are: Mio, the son of the man who was executed for a crime he did not commit; the judge who tried the case; an old Jew; and the latter's son and daughter who play an important part in Mio's attempt to vindicate his father.

#### Emotional Beauty and Power

The play is tense with the emotion displayed by Mio who feels that he cannot really love Miriamne until his belief in his right to decency, self respect, and the respect of others, is confirmed. The two finally unite in a scene of extraordinary emotional beauty and power.

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## A New Intramural System

Although under the present system of intramural sports, students are offered relaxation from their studies, this branch of Armour athletics would be more valuable and stimulate greater enthusiasm if some sports were scheduled during the winter months.

A league made up of the departments of each class seems to be the best plan. Each department would compete in the various sports through the school year, and in June an award would be given to the department gaining the highest number of points in all sports. Under the present plan, competition is almost at a standstill during the winter months. Under the proposed plan, each department would have a definite prize at which to aim, and more enthusiasm would be invited in inter-class competition. An all-sport class champion could be selected by apportioning points to the class for the victories of its various departments in the intramural sports.

To encourage individual competition, we would suggest that the following sports be introduced: bowling, table tennis, horseshoes, wrestling, boxing, and football punting and basketball free throw contests.

Each class would compete as a team in basketball, baseball, track, and swimming. Departments would compete in football, soft ball, bowling, horseshoes, table tennis, tennis, boxing, and wrestling. Departmental basketball might be added to the list.

Such an extended plan would require the services of an efficient managerial system. In addition to the senior manager two juniors and three sophomores could be appointed as assistants. A definite point system could be arranged for each sport. An intra-mural governing council would be advisable to give voice in the event of disputes, protests, and unforeseen difficulties.

Such an intra-mural system could be intro-

## STUDENT OPINION

President Roosevelt has a "Court Reorganization Plan." Mr. Zarem discussed it last week in the column "Sidelines." Since, to my mind, he didn't present the arguments of the opposition as forcibly as he might have, I should like to add a few words.

One of the serious things that "seem to irk" some of the opponents of the plan is the threat of ultimate dictatorship. Congresses have been known to be subservient to the President of the United States. One even gave \$5,000,000,000 to a president to use as he saw fit. To keep the discussion on a high plane I won't go into the possibilities there. If a president, as popular as Mr. Roosevelt, fails in an attempt to have his congress add any number of justices to the Supreme Court that they wish, it seems to me, as an opponent of his "Plan," that it won't ever be done. If, however, such a thing happened, the way would be clear for any future hero (one with a resonant voice who "welcomes" the hatred of the "economic royalists") to have any law passed with absolutely no check. What if the hero is a kind man? After he is gone—what? I do not choose to chance trading my democratic form of government for Germany's or Italy's forms.

Since Mr. Zarem has read "innumerable articles, 'pro' and 'con'," he surely must have seen some argument similar to the above. Yet—how dare he dispose of the charge that the "Court Reorganization Plan" is a threat of eventual dictatorship? I quote—"The 'real' reason for all of the 'rebellion' is that Mr. Roosevelt's proposal is entirely constitutional." Mr. Zarem, who has denied it?

I am entirely in sympathy with Mr. Zarem's difficult task of filling the space and meeting the deadline, but really he should consider the possibility that someone might read his column. Stephen P. Finnegan '39.

## Among the Co-ops

As an afterthought of last week's meeting, the freshmen cooperative class elected officers for the coming year. In a heated contest, William Groen nosed out Gurdon Henry for the presidency by one vote. The loser was awarded the vice-president's position. H. R. A. Fisher was elected secretary-treasurer by a large margin over his nearest opponent.

All co-ops were requested to get vaccinated. Too bad they can't vaccinate us against becoming sophomores. Or can they?

Co-captains Henry and Alderson of the frosh co-op basketball team challenged the soph co-ops to a game. This thing is beginning to get me co-cuckoo. Opps, there I go again.

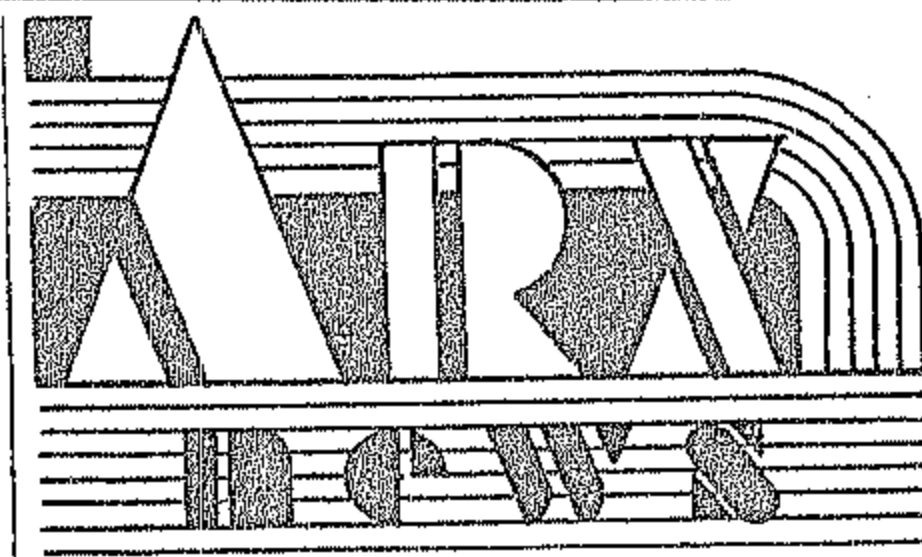
What injustice. Now we take all the abuse of wearing green caps (and not wearing pants) and when the rush comes around we're back with our shoulders to the wheel. We miss out on all the fun (?) while our co-operators get all the glory (or is the word glory).

The co-ops are becoming social butterflies according to reports from the Soph Informal. Play while you can because just three more weeks of leisure (?) and then back to the grind.

The sophomore cooperative students have recently been invited to join the Armour branch of A. S. M. E. As the course grows older the students will probably find ways of entering more and more of the school's regular extra-curricular activities.

Co-op '42.

duced without undue alteration of the old system. The spirit of competition would be intense throughout the school year, and team play would be emphasized as much as individual performance.



The Class B judgment is over and eighteen men received a Mention or better. The best problems were done by Kliphardt, Baker and Kubiicka. All three of them received First Mentions. Kubiicka also won the Scarab Prize and Shaeffer won the second prize. The fellows certainly deserved the congratulations they received for their fine showing and all the class B'ers are aiming to wha-hoo the next projet. "A Cinema Lobby."

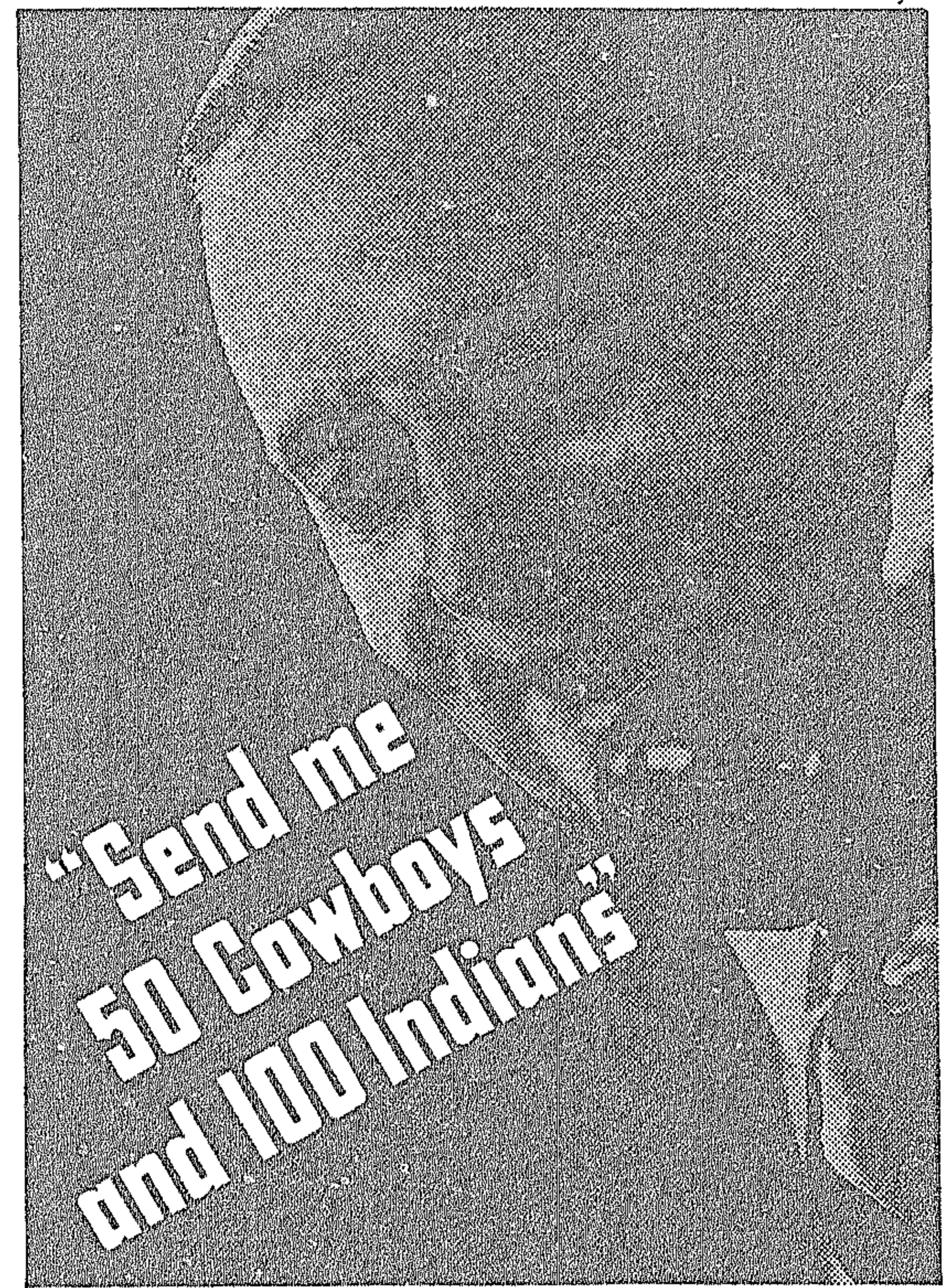
Stuff: Those hard working seniors who are doing that ballroom and also the Warren Prize were hard at work—playing ball, when the Times' candid cameraman came along and snapped Nobler, Schmaltz, Lohmiller, and Donnelly cavoring on the greenward. The DIGNIFIED seniors don't seem to be very discriminating about who photographs them; or are they?

One of those stream of consciousness things: 1. Times, photographer, photographs, Cycle, Professor Hendricks. 2 Photograph, model, Life Class, School activities, Cycle. 3. Life Class, model, Professor Hendricks, gentleman, lady in distress, Sir Walter Hendricks.

... by this time I hope that you will have figured out that a certain professor visited our department to get some photographs of the Life Class for the Cycle. Being an accommodating gentleman he also posed for a few minutes and when the lovely lady model returned to work Sir Walter helped her up to the dais. Said she, "But sir, I'm heavy." "That's all right, I'm strong," replied the Amherst Flash. All this was photographed too, my lads. When do the Cycles come out? METHINKS THAT A WORLD SERIES QUEUE WILL FORM FOR THEM EARLY IN APRIL.

The last little things are: The Steamshovel can make wise ones forever but he can also continue to look at parabolas and hyperbolas, while the Arx? ... Guess, you smarty. Who prefers to crit two men instead of twenty-six "Wildmen" and why is Mr. Mell glad that the charette is over? ... Mirotstic is having a coming out party on his chin. The local communists will nip this event long before its hoped-for happy culmination.

Art (poo-out) Gum.



WHEN Hollywood wants to film a scene requiring hundreds of "extras," it makes a telephone call—and gets them.

This is made possible by a central casting bureau, whose amazingly fast service is based on systematic use of the telephone. This organization has a telephone switchboard where as many as 30,000 calls a day are handled in bringing actors and producers together.

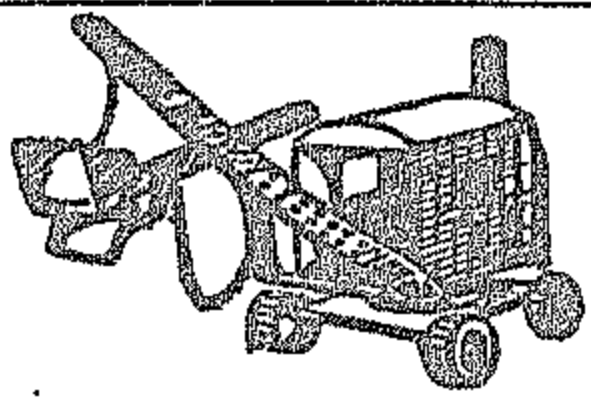
Another example of the value of telephone service to business and social America. It is the constant aim of Bell System men and women to make it ever more useful—constantly better.

Keep in closer touch with home—by telephone. Rates to most points are lowest after 7 P. M. and all day Sunday.



BELL TELEPHONE SYSTEM

## THE STEAM SHOVEL



MAYBE THE SOPHS THOUGHT THEY WERE GETTING A TORRID LOVE STORY WHEN EACH OF THEM RECEIVED A MIMEOGRAPHED COPY OF "SIMPSON'S RULE" LAST WEEK, BUT IT SEEMS THAT THE SIMPSON WASN'T WALLY, AND IT WAS THE WRONG RULE ANYWAY.

Bolt Anderson, blond sophomore Apollo, hereby and herewith doth offer to place the following wager of one dollar with any and all comers, to wit: No Techawk can obtain a date with the LADY IN QUESTION and spend not more than fifty cents during the evening. Name, address, and phone number furnished free of charge.

GEORGIE STOBBER, who has long been trying to convince the junior schmiars that he has really prepared that organic chemistry talk, gave proof of same last week by speeding along Western Avenue forty miles per hour in haste to give his speech. Once again he was deprived of the opportunity for self expression, the cop's car being able to do more than 40.

It seems that Footlik ('39) was at his girl friend's house while she was manicuring her nails last Sunday night or somethin'. Anyway he ap-

## Fraternity Notes

### PHI PI PHI

Gamma chapter of Phi Pi Phi takes pleasure in announcing the initiation of Ronald Monson, C. E. '38, and the pledging of William Soeffel, M. E. '41.

The Fathers' and Sons' smoker, which was held last Wednesday, was a big success and was thoroughly enjoyed by all present.

appeared in school with a deep crimson nail polish on his finger nails. . . .

Winblad had the feeling that Prof. Harris was giving too many "daily problems," so he figured that one way to approach the question was to present the prof. with a new slipstick case, which shifted the prof's ideas. (Recalling old days when he used to carve angels and inscriptions on tombstones). He must be good!

"Stinke" Masin is going Park Avenue on us. He wants us to call him "Doc." O. K. boys, go to it . . . "Doc!" Umph!

### Thanks, Steve!

Your contribution intended for the "Mailbox" was received with great pleasure. Your writer almost fell over when he saw a manuscript in the News box above the drinking fountain in Main. He hopes that some of those somber engineers will drop quips or questions in the box as only you had the courage to do.

joyed by all present.

Most of us have been doing a lot of bowling. We would like to have some games soon and therefore we extend a challenge to any five man team from any other fraternity.

We have successfully negotiated the final laps of the basketball tournament and hope that we do as well against Delta Tau Delta when we meet them Tuesday.

### DELTA TAU DELTA

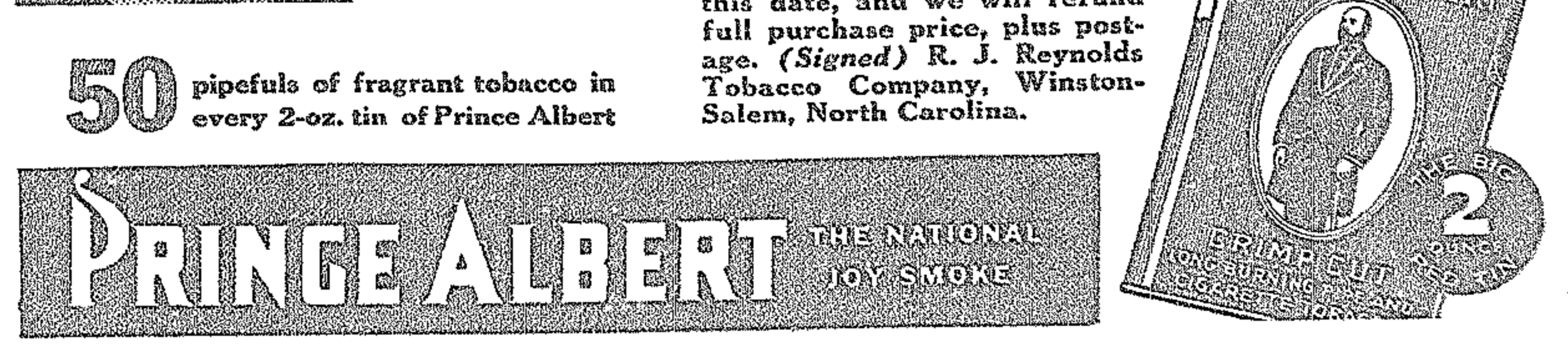
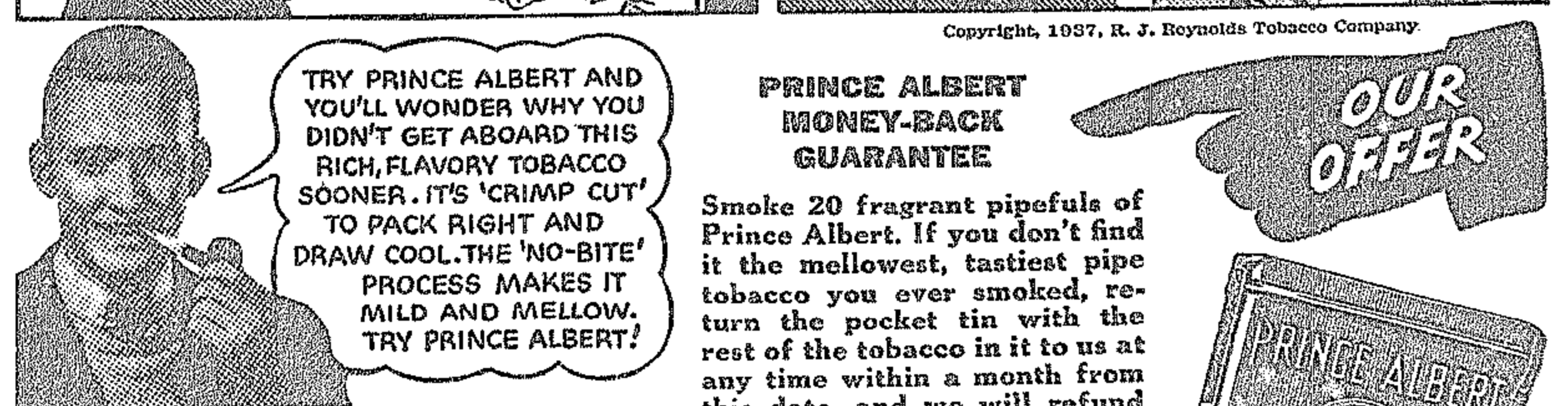
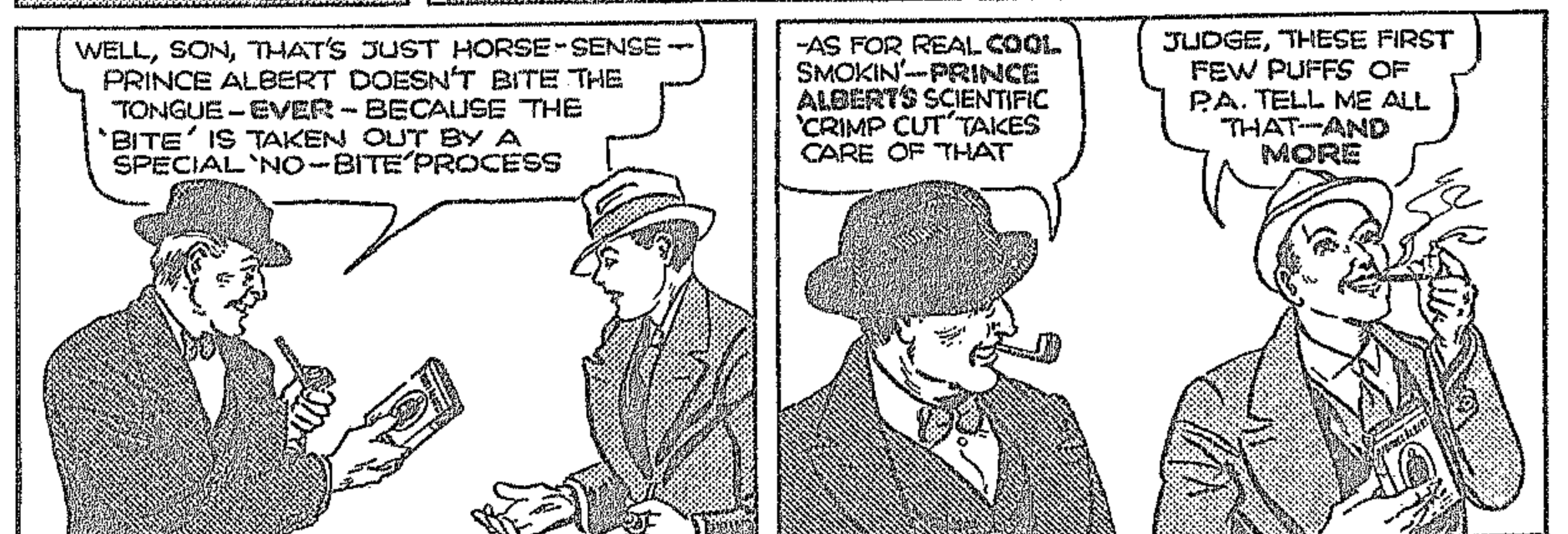
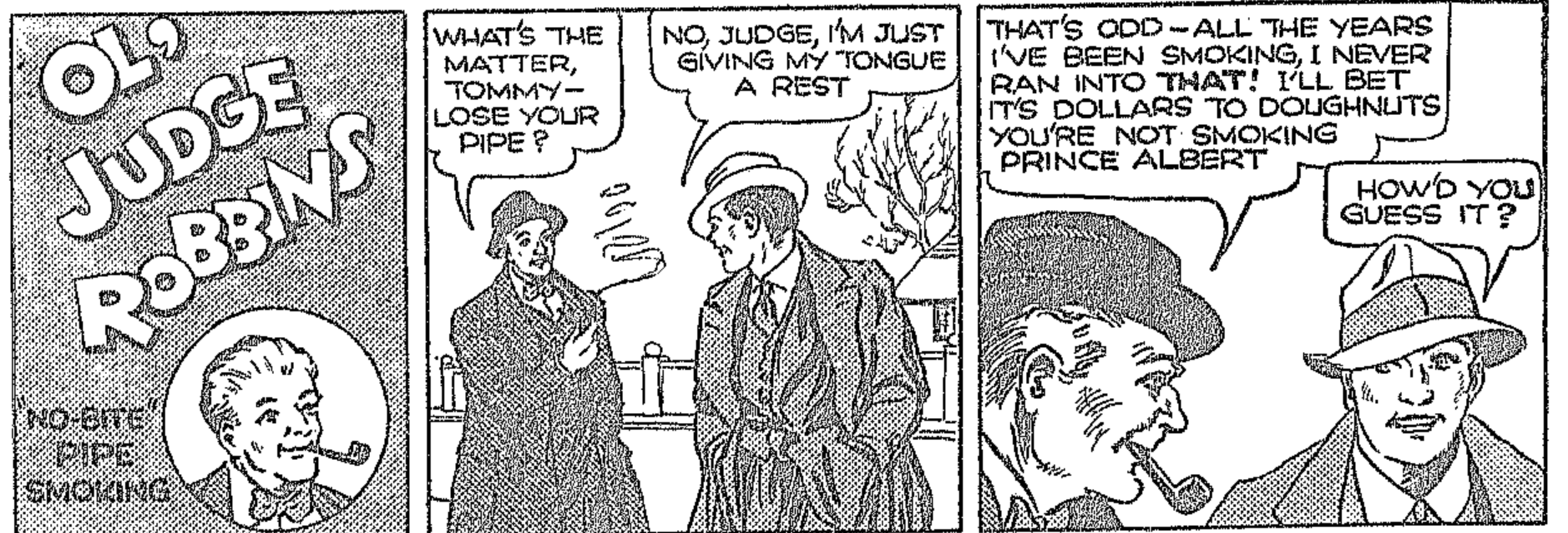
The Delt Prom, the crowning event on the social calendar, was held in the Sky Room of the Stevens Hotel last Saturday night. Through the cooperation of the Armour and Northwestern chapters, and the efforts of Oreste Tomei and Jack Horder, social chairmen, the party was a very pleasant event.

The Mothers' Club held its third meeting at the house last Sunday afternoon. After the meeting a short rehearsal was held for the fraternity sing and refreshments were served.

We want to congratulate Bill Groen upon his election as chairman of the co-op class of '41.

The house suffered the loss of one of its most valuable basketball players. Bill Scherer was injured in the semi-final event of the interfraternity basketball tournament. He was ordered to bed by the doctor and will have to remain there for at least a week.

The Delt's won their semi-final basketball game in the tournament by defeating the Phi Kappa Sigma quintet, 17 to 12, in a hard fought game. The finals will be played with the Phi Pi Phi's, defending champs, Tuesday night at 5:15 o'clock.





A. N. Schrieber

**College Students**

Recent comments on the American college student by the National Dean of a large sorority has invoked much discussion by students on various campuses. She reveals a recent survey in which coeds were asked the most desired features of a date. They were in descending importance: the way a date danced, a reasonable degree of brightness above the neck, the efficiency of his good-night kiss, and his mode of dress. Thus does personality and not clothes rank first with the weaker sex.

In caustic criticism the authoress refutes recent articles telling of a "New Seriousness" in American colleges. She pointed out the complete ignorance of college students about current political and social trends and gave the following list as the most frequently discussed topics of college men. They are "the best way to make money, the advantages and disadvantages of marriage and children, what men think of women, what women think of men, and what is life all about anyway." We wonder how Armourites rate.

**Movies**

Chicago is rapidly becoming the center of a new movie industry. Recently a new company was formed on the near north side to take industrial and business sound films for advertising purposes. They have four sound stages and rival Hollywood in science effects and plot. Already many large companies such as Sears-Roebuck, Texaco, and the John Deere Plow Company are using the movies as a medium to present a fascinating drama of real life with an advertising message woven in the plot. In the early days of moviedom Chicago was a motion picture production center. Then, because of the need of sufficient sunlight, the movie industry moved to Southern California. Now with improved artificial lighting motion picture production returns to its birthplace in Chicago with sound effects added to visual effects.

**Geisha Girls**

Jig saw puzzles, chain letters, monopoly games, and now sit down strikes. America likes a fad and now labor has found a fad that is making employers wonder how long the craze will last. Cab drivers, automobile makers, waitresses, telegraph messengers, and even students find the sit down game a novelty which is very effective in producing desired results.

Even foreigners are copying the new fad. The Geisha girls of Osaka, Japan, walked out on their tired business men and are holding a sit down strike in a famous Buddhist temple on a nearby mountain top in an effort to strengthen their union, the Geisha Guild. These girls correspond to American night club entertainers and hostesses, and are usually in a form of servitude to their employer; being sold into the profession by their parents while they are still children. Thus does the East copy from the West an Eastern philosophical concept: passive resistance.

**Civilization?**

Italy is bringing "civilization" to Ethiopia and Germany would like to bring civilization to the United States. In an attempt to punish the Ethiopian population for an attempted assassination of Italy's Viceroy Rodolfo Graziani, the Italian soldiers in Ethiopia, moved by sadistic forces, last week massacred thousands of men, woman, and children in cold blood. Mussolini and Hitler are being allowed to carry mass murder too far in crushing opposition.

In official government newspapers the German authorities have attacked the citizens of the United States as low grade morons in retaliation to Mayor LaGuardia's suggestion that Hitler and his associates be placed in a "Chamber of Horrors." In veiled language the German newspapers have threatened that it may be necessary for Germany to bring "Hitler's Culture" to the United States and civilize the Western Continent. Is Germany going to repeat her mistake of antagonizing the United States when she needs her aid, as she did just previous to the World War?

**Downs Describes Dye Leak Finding Method**

"Locating Water Leaks by the Dye Method" was the title of the motion picture shown by Dr. D. E. Downs at the meeting of the Western Society of Engineers last Friday. Mr. Downs and his fellow lecturer, Mr. Edelstein, are working with the water division of the Chicago public works. They have been instrumental in developing the dye method of leak finding to its present state.

Before the talk began, the question of whether the members preferred to have a smoker or a dance was brought before the society. Some of the junior members of the organization favored having a dance instead of the traditional smoker. The matter was discussed and the smoker was decided as best.

Before showing the pictures, Mr. Downs explained to some extent the theory of the dye method of leak finding. This method has been developed since 1926 by engineers of the water department of the city of Chicago in an attempt to provide some cheap method of discovering and fixing leaky water mains. At the present time, it is the only practical method to use in order to find the leaks in a large city systematically. The amount of money saved by this method can be estimated by the fact that in the old method hundreds of feet of costly excavations may be necessary in order to locate one small leak. When it is realized that most of this excavating must be done under pavements, the cost becomes almost prohibitive.

**Dr. Jakob-**

(Continued from page one)

States in which he explained his studies of the intricate problems with heat transfer in evaporation and condensation. Armour students will remember him for his enlightening lecture here in May last year before a joint meeting of the A.I.Ch.E. and A.S.M.E.

So imposing an array of degrees and titles which have been bestowed upon him would tend to connote a personality which is contrary to the man himself. The quiet, unassuming, polite demeanor which so characterizes Dr. Jakob is evidence in itself of a fascinating personality coupled with scientific ability of international repute.

**M. Dannis To Explain Advanced Slide Rule**

Mark Dannis, president of the Math Club, will explain advanced scales of the slide rule at the regular meeting to be held Friday, at 10:30 in Science Hall.

Due to the lack of time, a presupposed knowledge of the simple operations of the A, B, C, and D scales will have to be assumed. However Dannis will demonstrate various shortcut methods in the use of these scales. The talk will consist of a demonstration of the uses of the CI, CF, and log-log scales, the latter being helpful to sophomores in the use of vector quantities studied in physics.

**D. C. Transmission Successful in Europe**

Addressing a group of about forty students, Arthur Goldsmith, a senior electrical student discussed the subject "Direct Current Power Transmission" at the meeting of the AIEE last Friday.

The student speaker briefly reviewed the history of power transmission and then proceeded to discuss the arguments for and against the use of direct current as a means of economically transferring power. In these arguments he revealed that Europe has been using the "Thury" and "Transverter" system successfully for a number of years.

Cost of transmission lines for carrying equal quantities of alternating current and direct current were compared which revealed that the cost of transmitting direct current was inclined to be less than that of transmitting alternating current. Following this the speaker discussed means of getting direct currents at high voltages and also presented to the audience electronic and electrical devices which were thoroughly reviewed by the General Electric Company.

President Holmes announced to the members that the joint meeting between the national branch of the AIEE and the Armour branch for the purpose of acquainting students with men already engaged in the profession may be held here at Armour. A meeting in the near future will be held to formulate plans for the annual picnic and also to elect new officers.

**A.S.M.E. Picks Miner Conference Delegate**

S. M. Miner, M.E., '37, president of the Armour branch of the ASME, was chosen as the delegate to represent Armour Tech at the ASME conference to be held April 19-20. As part of the program, in which delegates of many engineering schools will participate, Miner will present a paper, "Stokers," the subject upon which he spoke at the last local meeting.

The paper as presented was the result of tests made with various types of stoker in the coal laboratory, to develop a mechanical stoker for general domestic use. Describing the various fuels for heating purposes, it was pointed out that bituminous coal is by far the most commonly used fuel. The domestic user consumes soft coal.

Describing the two types of mechanical stokers used industrially—namely, the chain-grate and over and under-feed systems—he pointed out that the under-feed is preferred for home use. In this type of stoker the pulverized coal is transferred from the hopper to the under side of the fire by a screen. The coal is thus preheated, distilling off the volatile matter, thereby increasing the efficiency of the furnace.

Of particular interest was the clab-

**Juniors—**

(Continued from page 1)

past featured preliminary rounds in the baseball tournaments and the annual Open House Night to which the parents and friends of students are invited to inspect the school. Exhibits of interest to all are shown and entertainment is provided. Tuesday features athletic tournaments and an Open House by the social fraternities. The Spring Concert by the Glee Club and Orchestra is held on Wednesday. During the day on Thursday the finals in the interclass and interdepartmental baseball tournament are run off and in the evening an informal bonfire and snake dance is held.

orate system to prevent foreign matter in the coal from clogging the tube and damaging the unit. The device called a "spike trap" is placed in the beginning of the tube and any foreign materials are jammed at the trap, thus shearing a special pin, created for that purpose. This prevents the damage of either motor or stoker.

The next meeting, which will be held jointly with the AICHe, will present a speaker from the Carnegie Steel Company. The national president of the ASME will be present at the downtown meeting Tuesday, March 23.

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**HERB LEWIS** (above, left), spark-plug of the Detroit Red Wings, in a set-to before the goal. In the locker room after the game (above, right), Herb said: "You bet I enjoy eating. I'll give Camels credit for helping me enjoy my food. I'll second the motion —'for digestion's sake—smoke Camels.'"

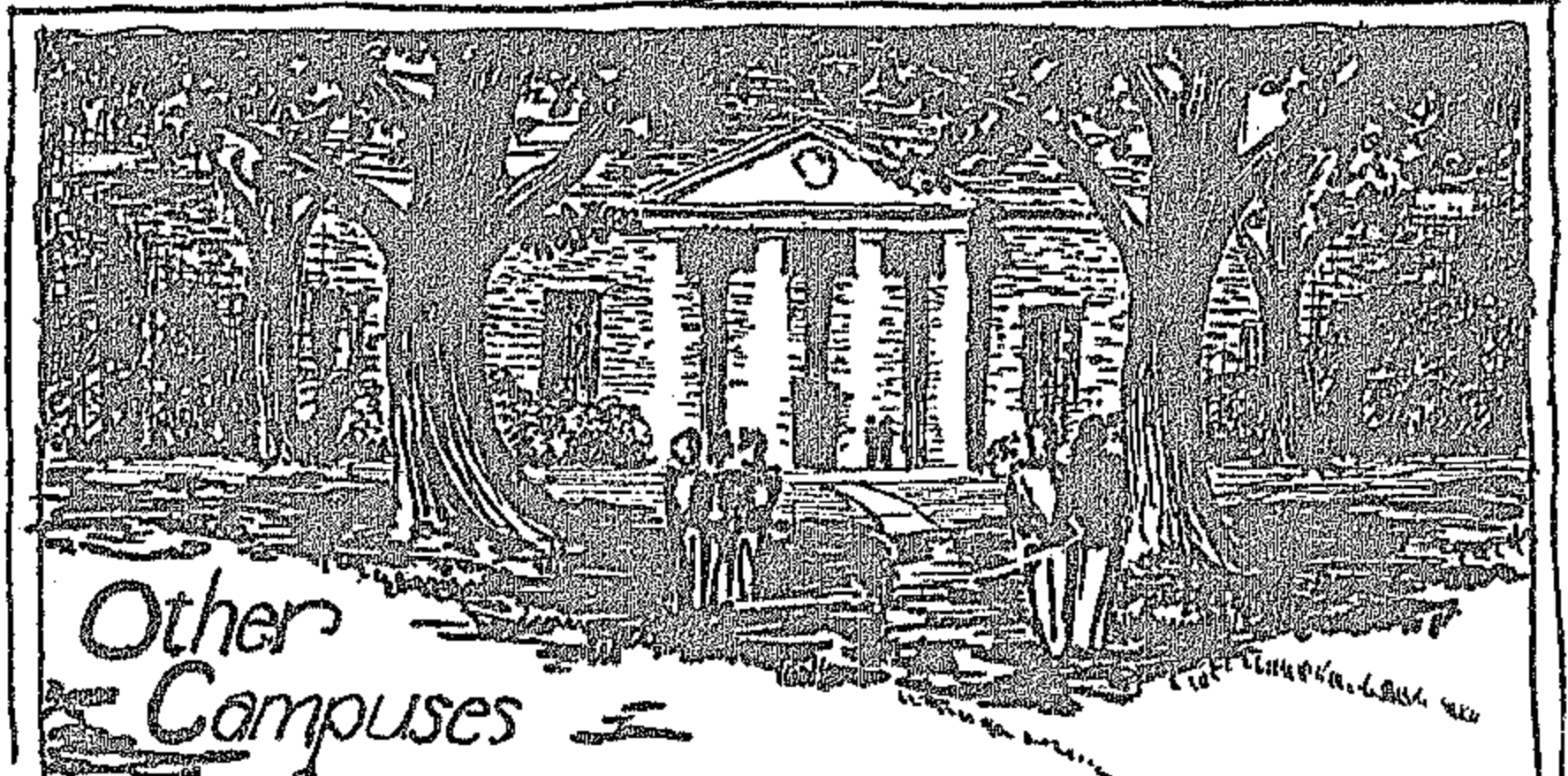
At mealtimes, it's Camels "for digestion's sake." Thanks to Camels, the flow of digestive fluids—alkaline digestive fluids—speeds up. A sense of well-being follows. Camels don't get on your nerves or irritate the throat.

**WORKS HIS WAY** through college. "A big meal and Camels," says H. E. M. Jones, "that's a combination to make me feel my digestion is going smoothly. It's Camels for me every time. Camels set me right!"

**GLIDER ENTHUSIAST, Dorothy Holderman**, says: "Guiding a sailplane is thrilling, though exhausting at times. Tired and wrought-up as I may feel afterward, Camels help my digestion run smoothly."

**STEER-WRANGLING** cowpuncher, Hardy Murphy. "Camels are aces-up with me," says Hardy. "As a cowhand I take what chuck I get and always count on Camels to help ease my digestion."

**FOR DIGESTION'S SAKE — SMOKE CAMELS**



They wanted to interview New York city's ex-mayor, Jimmy Walker—did two Brown University freshmen. So they posed as reporters and stopped Walter and his wife, the former Betty Compson, as they were leaving the hotel:

"Are you Jimmy Walker?"

"Yes!"

"We're from the Brown Daily Herald," spouted the duo. "We'd like an interview."

"Okay," the ex-mayor answered. "Make a statement," the rookie reporters suggested, while the Walkers stood and wondered. Jimmy was willing, however.

"On what?" he asked.

"Make a statement about Brown," suggested the freshmen.

"Oh, you can say anything you want about Brown," smiled James J. and departed.

The "wrong number" telephone gag that fraternity boys sometimes pull didn't stop a Birmingham Southern College coed for long. She had to speak with her enamored one and that was all there was to it.

When the frat phone rang, the fellows gathered around. The answerer recognized the female voice and said:

"This is the shoe shop, madam."

"I'm sorry. Wrong number," she apologized and tried again. When the bell rang the second time, a cheery voice answered:

"Your pressing shop speaking. What can we do for you?"

"Wrong number," she muttered and dialed doggedly again.

"This is John's Funeral Home, who is.....?"

"Well then," snapped the coed, "let me speak to a corpse named R....t L....e!"

"Yes, ma'am," and the student behind the voice came to life.

TABLE MANNERS ARE A PART OF THE BASKETBALL CURRICULUM AT MARQUETTE UNIVERSITY. ON TRIPS AND IN PRIVATE DINING ROOMS, COACH BILL CHANDLER ALLOWS HIS HUSKIES TO TAKE TURNS IN DOING SOMETHING WRONG AT THE DINNER TABLE SO THAT THE OTHERS MAY TUNE UP THEIR ETIQUETTE.

A campus bank at Rutgers University makes small loans to students at about one-third the legal rate of interest. It is run by undergraduates in the money and banking course for practical experience.

In treating strawberries with carbon dioxide, three experimenters at the University of Minnesota farm have found a way to lengthen their saleable life.

Famous for "pulling strings" while a student body president at Ohio Wesleyan University, Charles Horine is at it again. He is now a member of a marionette company.

A recent exchange dinner at which 38 girls ate in the men's dorms and 38 men ate at the girl's has met with demands for an encore by St. Lawrence University students.

Phlegmatic, crunch, batulent, cacaphony, treachery, sap, jazz, plutocrat, gripe and plump are the ten most unpleasant words in the English language, says the National Association of Teachers in Speech.

### Glee Club To Have Crowded Schedule

Following the successful Goodman Theater concert, a new series of engagements for the Armour Musical Clubs is being arranged by the director, Mr. O. Gordon Erickson.

April 4 marks the first definite engagement at which time the clubs will present a concert before the members of the Shawnee County Club, after which the Musical club members will enjoy the use of the club for the entire afternoon. A stage performance will be given at a theater in Kankakee, Illinois, April 9. On April 16, the clubs have an engagement at the Shoreland Hotel.

As the Armour Musical clubs will give a concert for the benefit of the Rockford College for girls on April 25, it is expected that Rockford College will retaliate by sponsoring a concert here at Armour. The success of the Goodman Theater concert gave impetus to a three day trip to Detroit under the sponsorship of the Detroit Armour Alumni Association. This trip is expected to begin on April 29.

### The Slipstick

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

Good morning, fellas! It's been quite some time since we've had the opportunity of passing off on to you some of our fine collection of rare, old jokes, and this chance makes us happy to the point of doing our own homework. You notice we don't ask you how you feel about it... That's because of our sensitive feelings and because we hurt very easily. WOO-WOO!

Thumbing through our mouldering files, we come upon a subscrib—the lone subscrib—which reflects an appropriate respect for the aged and dead, and hence is printed here with huzzahs, "yippee":

I like to read the A. T. N.  
The stories all are fine.  
The grammar's good, the spelling right.  
I read it, every line.

The Shovel's keen, the Slipstick too.  
But one thing leads the rest,  
The thing there's most of every week.  
The ads, I think, are best.

Don Q.  
You're welcome, keed! Come again, we doubt.

The newly-weds were on their honey-moon. To avoid some of the unpleasanties attendant in such situations, the happy hubby bribed the colored porter with a dollar to keep it a secret from their fellow passengers. When the beaming bridal pair came into the diner for breakfast the next morning, they noticed the people there nudgingly smiling at each other and casting suggestively mischievous glances at them. Hubby immediately called the porter and sternly inquired if he had two-timed him a dollar's worth. "Oh, no suh! No suh! Ah done jus' tol' 'em you all was good fren's, das all!"

An article in a monthly mentions the fact that modern poets no longer look like poets. This completes the breach. And as for that infatuated, Valentine-vending Casanova — he can't even spell the word "poem."

He (hotly): "Believe me, darling, I love you so much that I could eat you!"

She (coldly): "Believe me, tall, dark, and useless, I hate people who eat with their hands!"

We let loose with the most atrocious pun we've heard to date. It has to do with a sentence containing both the word "effervescent" and "fiddlestick out." "Effervescent enough covers on the bed your fiddlestick out."

First Girl: "I'll bet you were surprised when you heard that your sister and her boyfriend were going to be married."

Second Girl: "Was I! I nearly broke my head on the door knob."

Zazu hasn't been home for a week now. His mother swears she'll kill him on sight. She sent him out to get some extract of beef and he came back with a bottle of milk.

### Have Ye No Green Hat, Freshie? Saint Patrick Blushingly Inquires

Aye, he was pitiful, the cold wind sweeping out of the bleak, leaden sky, swirled the sooty remnants of winter's snow about his thin and shivering shanks. It had not always been thus. There were indications that his costume had once been complete. His brief case with stickers, his slide-rule with large yellow case—all, all these save for the one omission that placed the pathetic being in acute danger of chilblains.

There, where the breeze now moaned dolefully between clattering knees, had once hung a pair of trousers (pants in the vernacular), a lovely pair of trousers, flowing gracefully from a lap gently wrinkled and tastefully garnished with sundry reagents, to appealingly bagged knees and touchingly frayed cuffs. Ah, indeed, a pair of pants to give man pause. Now, as the woeful creature thoughtfully surveyed the gaping lack 'twixt shirt-tail and sock was the truth borne home. Trousers are Sacred. . . . Since the dawn of time, when man first left the maple leaf behind, he and trousers have faced

Speaking of the bull, Zazu's idea of perpetual motion is a cow drinking a pail of milk.

Chaperon: "Girls, I have a man outside whom I want you to meet."

Athletic girl: "Is he strong? What can he do?"

Literary girl: "What does he read?"

Chorus girl: "How much money does he make?"

Normalite: "Where is he?"

And so, 'till the next time, Philo and I say to you, "Cheerio."

Eejay.

the world dauntlessly, fearlessly, side by side (inside and outside). For this noble garment no sacrifice is too great, no indignity too large.

"Momma," he had said, (Mark you well, Freshmen) "Momma, this merry Saint Patrick's day is occasion for a jolly custom at school." He had babbled further, "On this day the 'sophomores' as we boys call them have requested that we wear green hats, but I shall not. I feel it would be an indignity, and besides," he added thoughtfully, "It will take at least twenty to pants me!" (See Prof. Hendricks for word derivation). Remembering this idle boast with bitter regret, his meager shoulders heaved as he gazed through tear dimmed eyes at the retreating backs of the swarm of sophomores who carried away his most tenderly cherished possession. "Farewell, beloved," he sobbed.

Thus will be the fate of many who trifle with matters of moment. In passing, it may be noted that the correct form is not, "Hey toots, toss me them jeans," but rather, "My dear Miss, please avert your eyes and hand me those trousers whose untimely removal is causing me simply loads of embarrassment."

However, kiddies, do not be intimidated. If, by some mischance or fool-hardy daring you are not wearing the green within the area of Thirty-fifth, Wentworth, Thirty-first, and Michigan, stand on your rights; gaze firmly and steadfastly at the confronting soph and say heavily but politely, "You shall not remove . . . I cannot permit . . . they are such a lovely mauve—I must retain my shorts." Remember, neither fluttering hands nor extended shirt tails will hide your nakedness from a cruelly amused world.

### Sterling H. Harper Addresses F.P.E.S.

Relations between the architect and the fire protection engineer was the subject of the talk delivered by Mr. Stirling H. Harper, instructor in architectural construction at Armour, at the F.P.E.S. meeting held last Friday in the physics lecture room.

He attributed the lack of cooperation between these two branches of engineering to the inability of the fire protection engineer to appreciate the problems which confront the architect. The former considers but a sole phase of building design while the architect is. confronted with a multiplicity of factors.

Practical consideration necessitates several features of design which are vigorously objected to by the exponent of fire protection. Another factor causing strife between these classes is esthetic considerations not dealt with by the fire protection engineer.

Mr. Harper suggested that the Fire Protection Engineer employ more tact in contacting the architect before the actual design is completed. This consideration will tend to eliminate some of the now too prevalent evils. He further suggested the Fire Protection Engineer avail himself of every opportunity to realize the complex problems confronting the architect and thereby attain better results in the coordination of the work between engineer and architect.

Next Friday morning the society will hold a business meeting in the physics lecture room to discuss plans for a smoker, which will be held soon. At this smoker, an annual affair, sophomores will receive their "shingles," the evidence of their membership in F.P.E.S.

### Neil and Steele Knocked off Keel By Altruistic Antics of Humorous Heel

Eejay and R. W.

"Can I have a Hilcher and Goldfarb?"

"Just a minute, I'll look it up. No, it's not listed."

Tick-tock (two minutes later.)

"Miss Neil, have you *The Sex Life of the Iroquois Indians* by Hilcher and Goldfarb?"

"No, we haven't!"

Tick-tick (two more minutes.)

"Say, have you got Hilcher and Goldfarb's *Studies in Humidification*?"

"No! I wish you'd quit pestering me about non-existent books!"

Tick-tick (one minute and twenty-two seconds later.) "Miss Neil, could I have a Hilch...."

"NO!"

(Three seconds later.) "Oh, Miss Neil, do you suppose...."

"NO! WHAT DO YOU THINK THIS \*!?! (. . .) ?!; \* . . & \* . . ."

Tick-tick (ten minutes, ditto). "... and another thing... Come back, I'm not through yet!" "F'r goodness sake, 'n I jus wanted to return a book. Musta been sumpin' she et."

Meanwhile, four floors above, Zazu, eternal altruist, kept up the good work.

"Yeah, sure Bert. Hilcher and Goldfarb's *Outline of Business Economics*. The whole problem is worked out on page 64. Listen, Griesbach, you know me better than that. I wouldn't kid you."

"Okay, thanks. I'll go down and get it before someone beats me to it. So long, Zazu!"

"Hnyeh, hnyeh! There's one born every minute...lessee now, that makes KREIMAN, THODOS, GROMBACHER, KRUMBEIN, . . . AND GRIESBACH. That's twenty-one, twenty-two, hm, twenty-nine. Not bad! Oh, say, MASIN, here's a swell reference for that humidification problem. It's a Hilch....!"

Meanwhile, four floors below, Bert, the bewildered recipient of a brutal

bum's rush, dodged the last book, which, by the way, was not Hilcher and Goldfarb. "Hmm... Hilcher and Goldfarb... helluva name... Zazu... oh-oh... wise guy... hmph... Goldfarb... hm... say, Hoyer! C'mere" "Bzz, bzz... Swell, there's one born every minute!"

Tick-tick (More time. Four floors above). "Pardon me, Professor Swineford. Does Zazu have a class here? I've a note for him from Miss Steele."

"Yes, Hoyer, that fat-head in the second row."

"Oh-oh—looks like they caught up with you this time, Zazu."

"It all comes back, don't it, Zazu?"

"Maybe she found a Hilcher and Goldfarb, Zazu. Better go and see!"

"We'll miss you, Shtoonk."

"Aw cut it out, guys. It ain't funny. Wonder how they found out... some stool-pigeon musta... I'll say it's a frame-up. Tha hell, I'll tell the truth. I'm not afraid... gosh, wonder what she'll say... might as well go now before they get me."

Tick-tick (Time marches on). "G-g-good afternoon, Miss Steele. I... er... uh..."

"Well, what do YOU want?"

"Why, didn't you wanta see... uh... me about that Hilcher... uh... then you didn't wanta see me! Heh, heh... excuse me. I gotta go now. G'bye!"

"No, I didn't send for y... say... wait a minute, you. Come back here! So you're the smart Alec. I want to talk with you..."

(Time stands still.) "Honest, Miss Steele... I had no idea... Yes, Ma'am... yes sir, I mean, yes ma'am. Cross my heart... I only... yes ma'am. Gosh! I didn't realize... I'll never..."

Much later, a slightly peaked and considerably paler Zazu delivered this philosophic gem from the very depths of his shaken soul, "Yeh, fellers, I guess that's right... there's one born every minute!"



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President

# ILLINOIS CENTRAL SYSTEM

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# TECH GRAPPLERS CONCLUDE SEASON WITH MORTON WIN

## Matmen Pile Up Score With Pins, Time; Win 34-3

### RETIRING SENIORS WIN

Finishing a successful season in grand style, the Armour Tech wrestling team overwhelmed Morton College 34-3 on the latter's mat last Friday. The Tech grapplers walked away with the meet by winning eight of the nine bouts and winning five of these eight by pins.

#### Morton Wins First

The first bout, in the 118 lb. class, was a close fight, but Berzinski of Morton forged ahead to win by a time advantage, thus winning Morton's only bout. Basile started off the Tech scoring spree by gaining a time advantage over Ondus. Dunne followed through in a bout marked with plenty of action, in favor of Dunne, who almost pinned his opponent several times but had to be satisfied with a time advantage over his opponent Behkof.

In the 145 lb. class, Logullo took his match by a time advantage over Brook of Morton. After much maneuvering, Popper finally placed his opponent in a position in which he was able to pin his man in less than three minutes. Captain Kreml whose graduation will be a distinct loss to the team, pinned his opponent in a short bout of less than two minutes. Following the performance of Popper and Kreml, Tullgren, 175 pounder, followed suit by pinning Zalusky in one minute and five seconds.

#### McIntyre Pins Karanda

In the heavyweight class, Karanda of Morton put up a game fight in spite of being handicapped by his light weight, although he was pinned by McIntyre. An exhibition bout at 145 lbs. was fought between Hanna and Wasielak of Morton. In his first bout as an Armour matman, Hanna, a very promising freshman, proved his mettle by pinning his opponent in one and one-half minutes.

In spite of the loss of several members of the team, Coach Weissman has high hopes for next year inasmuch as he has plenty of new material to fill the vacancies opened.

#### SUMMARIES

- 118 pounds—Berzinski (M.) beat McDaniel (A.). Time advantage—5:54.
- 126 pounds—Basile (A.) beat Ondus (M.). Time advantage—6:27.
- 135 pounds—Dunne (A.) beat Behkof (M.). Time advantage—1:11.
- 145 pounds—Logullo (A.) beat Brook (M.). Time advantage—6:03.
- 155 pounds—Popper (A.) pinned Kanak (M.). Time—2:39.
- 165 pounds—Kreml (A.) pinned Siml (M.). Time—1:49.
- 175 pounds—Tullgren (A.) pinned Zalusky (M.). Time—1:05.
- Heavyweight—McIntyre (A.) pinned Karanda (M.). Time—3:08.
- Exhibition—Hanna (A.) pinned Wasielak (M.). Time—1:32.

## Baseball Candidates Meet in Gym Today

With less than a month before the opening game, the first meeting of the infield and outfield candidates for the Tech baseball squad is being held today in the gym. Although the batteries have been practicing for the last four weeks, weather conditions have not been suitable for outdoor work by the rest of the team.

#### Twelve Games Scheduled

Twelve games have been scheduled so far, while the two games with DeKalb and one with Northwestern University are in the offing, awaiting approval. As has been the custom in past years, Chicago University's nine will be the first opponents of the season, on Saturday, April 10; if the weather is good and Ogden Field is dry, a return game will be played April 12 on the home grounds.

#### Good Pitching Material

Returning from last year for the pitching squad are Willy Kruse, Pete Winel, and Bill Penn, while newcomers with possibilities are Tom Green and Joe Pacocha. Green is a junior, hailing from St. Marys in Winona, Minnesota, who looks like good material, while Pacocha, a freshman who played outfield at Harrison when they were city champs, and who has done some pitching for the C.Y.O., may be used both as pitcher and outfielder on the Armour squad. Catching for the team will be divided up



Editor's Note: This issue of Tech Shorts is written by Art Jens '31, who is a former Sports Editor of the News and the originator of this column.

Enroute Prairie State Limited, Somewhere in Ohio, March 12, 1937.

Relays in the Armour style will appear in their 9th edition at the University of Chicago Fieldhouse next Saturday when the finest collection of college and university record breakers to show in the midwest this season will vie for Tech's handsome relay trophies.

#### Time and Tide Too

We have been told that time marches on inexorably and with undiminishing speed and so it must for this is your correspondent's 68th writing of this column over a period of eight years. Reckoning in college terms this is two generations of Armour men. We hope to run this string to a hundred—issues not generations.

#### Michigan and Ohio State

It has always been a bone of contention between the management of the Relays and colleges located east of Indiana to convince them that the Armour meet was of greater importance than other meets being run on the same day. Butler University has each year formulated a track program which called for an invitational meet on the week following the Big Ten Championships. Necessarily schools located in the vicinity of Indianapolis have found it less expensive to travel there than to come on to Chicago. This has to some extent limited the quantity of competition in Armour's meet but certainly not the quality. A solution is suggested in allowing partial expenses to competing teams. Under present attendance arrangements this is not possible but one day when the Relays move into the Chicago Stadium we shall see what we shall see.

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Several weeks ago there appeared the first running of the Chicago Relays. This is the first time since 1931 that a big time indoor track meet other than Armour's carnival has been attempted in these parts. The attendance and quality of competition more than vindicated the most optimistic wishes of the promoters. If our meet could be moved into an area where adequate facilities for spectators were provided we would predict a sell-out.

#### Famous U. of C. Star Dies

The sudden and wholly unexpected death of Judge Walter Steffen takes from the Institute one of its staunchest supporters. Last year Walter Steffen as head finish judge did the finest job we have seen in handling activities at the finish line. There

between Seidenberg and Russek, both of whom batted over .300 last year.

#### Infield and Outfield

In the infield, co-captain Bartusek will be opposed by "Swede" Skrzydlewski for first base while Dunne and Wagner will probably hold down second base and short stop positions, respectively. For third base Irv Gebel, a junior who just started at Armour last September, Max Ephraim, Fred Newman and Dave Rodkin will all be trying for a regular berth. Gebel has played short stop and other positions at South Side Junior College and stands out as a good man for this position. The outfield will probably be built around co-captain Logullo at center field. Shewchuk, from last year's regulars, and Skeppstrom are bidding for the side positions.

#### Room for New Men

Although the men already named will probably form the backbone of this year's team, there is still plenty of room for any new stars who haven't as yet shown their stuff. Both the meeting tonight, and the practice that will start outside as soon as the sun shines warmly will give the newcomers a chance to show their stuff. The team is determined to make a good showing this year and any help offered will be accepted, both in the way of fielding and hitting.

were no errors and that is what accounts for the success of any meet.

#### Records and More Records

Records have fallen each year over a wide front mostly though in the relay events. This year we are looking for improvement in the jumping events because of two stellar pole hoppers from the garden spot of the world, Wisconsin. Albert Haller, winner of the pole vault in the 1936 meet, returns to defend his championship and should have little trouble in keeping the bar on the uprights beyond 14 feet. That's a lotta height looking up from the ground. Haller is a senior at the University of Wisconsin. Then there is Eddie Burke the soaring high jumper from Marquette who should have little trouble in raising Nelson's old record of 6 ft. 5 in.

\*\*\*\*\*

Unless Coach Tom Jones of Wisconsin elects to withhold his distance star, Charles Fenske, from the mile run, it is possible to look for an improvement in Henry Brooksmith's one mile record of 4:14.1-10. Last year both Kleinschmidt and Fenske were kept from individual events to compete in the distance medley relay. Wisconsin won handily from Illinois in 10:40.6.

#### Champions Return

We have our fingers crossed, still we must predict some record smashing in the dashes and the hurdles. Bob Grieve, dash champion from Illinois should do something with the .07.1 that he set last year in the 70

yard straightaway and Al Tolmich of Detroit should smash records in both the high and low obstacle races.

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Last Saturday was held the first Midwest Intercollegiate indoor track meet at North Central. This undoubtedly is a take off from the Armour Relays and to some extent follows the original intent of our meet. Way back in 1929 when Lonnie Stagg and John Schommer worked out the details of the first meet it was decided to restrict competition only to colleges. University events were later added and the Invitational changed to a Relay Carnival.

#### Armour Football in 1906

In our peregrinations about the middle west this past year we have contacted any number of Armour men. The most interesting of our conversations was with Max Woldenberg, '06, who told us of Armour's football team during his time in school. Our most unusual experience was the night we played second base for the Cowies, Bud Weldon's champion diamond ball team in Wichita, Kansas. Bud, if you will look in the records, played a swell third base for Bill Kraft about seven years ago.

\*\*\*\*\*

We could write on here for hours and hours but since this train is now in Indiana and since it is close to chow time we'll have to put the cover on this typewriter and hope that we'll see each and every Armour man at Saturday's meet. Until then, so long. No. 340-10-7655.

Better known as Art Jens.

# TECH SWIMMERS LOSE CLOSE MEET

## Wilson Holds Early Lead To Win 40-35

In a close return meet held at Wilson Junior College, Armour's tankmen fell short of their opponents score by five points last Friday night. The 40 to 35 defeat was an upset from the standpoint of Armour's previous win of 49 to 26.

#### Wilson Takes Early Lead

Wilson stepped into the lead in the first event and managed to hold it by a small margin throughout the meet. By hitting the gun just right, Wilson's relay team took a short lead and maintained it to the end. Their last man, Wells, came in a length ahead of Winblad. Svagdis used his swift stride in the breast stroke event to best advantage when he soared in ahead of Pietrzak by several lengths. With the aid of Manke's third place, the Tech men brought the score to 10-11. Wittlow and Edgcomb, however, widened Wilson's margin by taking a first and second in the 40 yard free style.

#### Armour Takes Two Events

In the next two events, Armour stepped out with firsts and thirds to again tighten the score, this time at 23-25. Dodge took first in the backstroke, the first of these events. He was followed by Raschke and Simpson. Then captain Ruckberg came through in 100 yard free style by passing up Edgcomb, second man,

Those interested in becoming assistant manager of the baseball team should turn in their applications without delay. They should be addressed to Coach W. C. Kraft, and be in Mr. Stenger's office by March 20.

being supported by Smidl of Armour in third place.

Shagam of Wilson sprang gracefully from the springboard, carrying all of his lank high into the air to cop first place in the diving event. Saltzman, formerly of Wilson, took a second place for Armour.

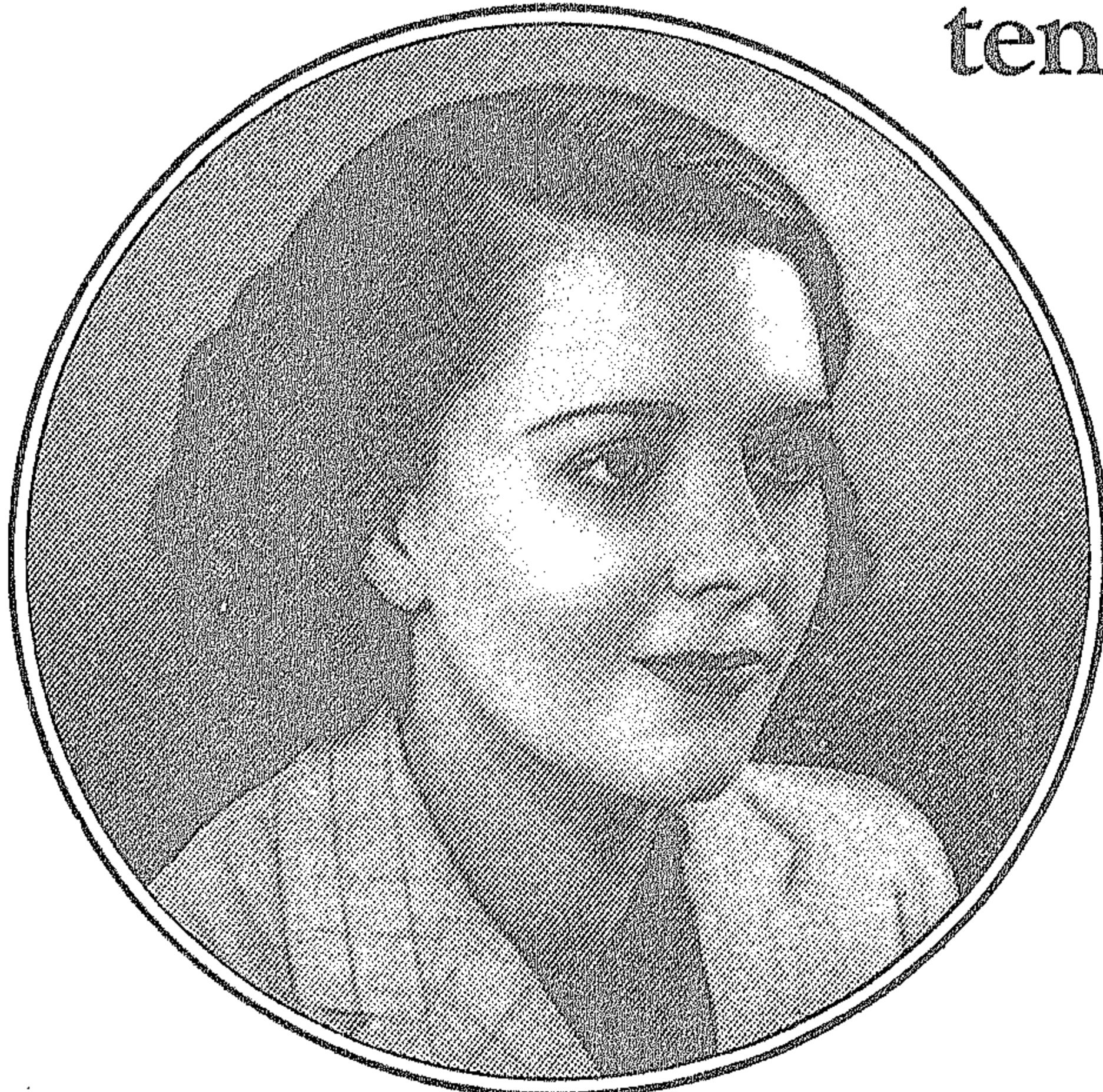
Wilson cinched the meet in the seventh event when it took a first and third for six points. Wells took an easy first in this 220 yard splash, while Dodge beat out Hino for Tech's three points.

The medley relay was a swift victory for Armour due to Svagdis' spurt in the breast stroke stretch. The short time of 1:13.0 was believed a record for the Wilson pool.

#### SUMMARIES

- 160 yard relay—Won by Wilson (Hino, Underwood, Nichols, Wells). Time—1:27.
- 100 yard breast stroke—Won by Svagdis (A): Pietrzak (W) second; Manke (A) third. Time—7:19.0.
- 40 yard free style—Won by Wittlow (W); Edgcomb (W) second; Downing (A) third. Time—0:21.
- 100 yard back stroke—Won by Dodge (A); Raschke (W) second; Simpson (A) third. Time—1:18.
- 100 yard free style—Won by Ruckberg (A); Edgcomb (W) second; Smidl (A) third. Time—1:04.
- Fancy diving—Won by Shagam (W); Saltzman (A) second; Cody (W) third.
- 220 yard free style—Won by Wells (W); Dodge (A) second; Hino (W) third. Time—2:38.8.
- 120 yard medley relay—Won by Armour (Downing, Svagdis, Winblad). Time—1:13.

# Ruby Keeler says: "Luckies are a light smoke that treat a tender throat right"



"In a way, it's easier to keep in condition as a dancer than as a singer. Exercise can keep the muscles in shape, but there are a lot of things that can go wrong with the voice and throat. It stands to reason, then, that any actress wants a cigarette that is gentle and strikes the right note with her throat. I started smoking Luckies 4 years ago. They're a light smoke that treat a tender throat right."

*Ruby Keeler*

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THE FINEST TOBACCOS— "THE CREAM OF THE CROP"

# A Light Smoke "It's Toasted"—Your Throat Protection

AGAINST IRRITATION—AGAINST COUGH

### Soph Physicists To Visit Museum

Physics students will visit the University of Chicago Physics Museum on Friday, March 19. The museum is located in Belfield Hall on Kimbark Avenue between 58th and 59th Street. It will be opened to the students all day between 9:00 and 12:00 and from 1:30 to 5:00 o'clock.

This is the fourth successive year the physics classes have visited the Museum. The trips in the past have been so successful that they have become an annual event for sophomore students.

#### Trips Are Popular

The museum is not of the conventional type, but consists chiefly of self operating experiments, which explain the popularity of these trips. Some of the outstanding experiments that will be seen and operated are: Michelson's method of measuring the velocity of light; the Cavendish experiment on weighing the earth; experiments with the interferometer and polarized light; and electron tube experiments.

#### Others Invited

As the students enter the first room in the museum they will examine experiments dealing with "Mechanics and Properties of Matter." The most popular exhibit in this room is the horse power determination experiment, which is self operating. In the remaining rooms there will be exhibits pertaining to modern physics, light, and electricity.

The physics department cordially invites the faculty and students of the Institute to join the group on this trip.

All recitation and laboratory classes in physics are excused for the day by the Dean.

### Matmen Win, Boxers Lose on Culver Trip

Armour's matburners and leather-pushers invaded the town of Knox, Indiana, Saturday, March 6, and met a victory and a defeat in the two divisions of Coach Weissman's work. The wrestlers did away with their Culver opponents with usual style and ease, but the boxers met much stiffer opposition.

#### Basile Wins Opener

Basile opened the meet in slick style by pinning his 135 pound opponent, Allen. Logullo's man was a little too cautious to be pinned, but eventually lost on a time advantage.

Manager Chapin, wrestling for Armour in the 155 pound class, almost pinned Hibbert in the first few minutes of the bout, but the latter slipped away and finally turned the tables to give Culver a pin. Maxant won the 165 pound bout from Maycox with a pin.

The boxers found less chance to break through their Culver opponents for gain, winning only one match out of the seven fought. Perrel took the first decision for Culver after three fast rounds with Winslow. The next decision, called against Allegretti, was questionable, but was given to Miller of Culver, nevertheless.

#### Cleward Wins Over Lindahl

Cleward won over Lindahl of Armour by a technical knockout. The referee called the next match a draw between Manke and Faulkner, but on the suggestion of Culver's coach that there be no draws, the match was given to Culver. Stober maneuvered his man about the ring for three rounds and took the only win for Tech. Calhoun and Hoek were both defeated by the referee's decision in favor of their two Culver opponents.

### RELAYS—

(Continued from page one)  
the Games into university and college divisions. This arrangement insures small colleges drawing on smaller student bodies for their track talent, from direct competition with the larger universities. College men are eligible to compete in the university individual event class against university men, but the latter can not enter the closed college events to compete with college men. In this way individual stars from less famous schools may compete with the best in the University division if they desire.

#### Four From Big Ten

To date, four members of the Big Ten are sending their teams to the Games. Illinois is entering their dash star, Bobby Grieve, co-holder of the present title in the University 70 yard dash. Cullinan and Robinson, lanky Illini, are double threats in the

### Netmen Meet Today; Plan Future Practice

Tech's netmen will have their first meeting of the year this afternoon in the Physics lecture room at 3:15. Under the direction of Coach Colvert, the plans for team tryouts and daily practice will be laid out.

Beside the regular men returning to the squad, all new men have been urged to attend. Tryouts for new men will be held on Wednesday and Friday from 5:00 to 6:00 p. m.

Swanson, Natinchek, and Boehme, lettermen, along with Herz and Kubik, last year's alternates, comprise the tentative regular team. The meeting today will decide which days the team will practice and which ones will be used by the newer men.

At present, only two meets have been signed up, one with Notre Dame, a feature of the schedule, and the other with George Williams. Altogether there will be thirteen meets during the season.

70 yard low and high hurdle events. The two year shot put record is in danger of falling with Christianson of the University of Wisconsin putting it out around forty-eight feet. Fenske, sensational miler, also from Madison, is out to crack the excellent time of 4:14.1 which has stood through five years of competition. In addition, Wisconsin has several strong relay teams. However, Marquette University is sending a fleet four who will press the Wisconsin boys in the one mile relay. Burke, Marquette high jumper, has cleared the bar at 6 feet 9 inches and is expected to break the old record of 6 feet 5 inches held by Nelson of Butler, by at least several inches.

#### North Central Relay Threat

North Central has a trio of relay teams that may break one of the college quartet records. They are also sending Seibert, soaring pole vaulter and Keyes a 440 star to compete. Oakland City College of Indiana is entering the invitational games for her first time, and is rumored to be sending a strong team. Bechel of Northern Illinois State Teachers and winner of the high jump last year, will be back again to defend his mark against Burke of Marquette. Kansas State Teachers has a number of entries who will probably score heavily in the distance runs.

#### Armour to Enter Team

Leete of Lawrence is apt to be among the first scorers in the college hurdles and high jump. Carleton is accepting her annual relay invitation, and responding with Thorkelsen, a fast man in the quarter mile. Armour Tech, host to the gala occasion, will enter a full team and a relay squad in the one mile event, in which they placed fourth last season.

Last year thirty schools participated in the Relays, cracking five old records and tying a sixth. In the college division, Michigan State Nor-

### EXISTING ARMOUR TECH RELAY RECORDS

College Events:			
One mile relay	Michigan State Normal	3:27.8	1936
Two mile relay	Illinois State Normal	8:07.9	1934
Sprint medley	Illinois State Normal	3:33.1	1932
University Events:			
One mile relay	Pittsburg	3:21.9	1934
Two mile relay	Michigan State	7:53.2	1933
Distance medley	Michigan State	10:24.5	1935
Individual Events:			
70 yard dash	Grieve, Illinois	:07.1	1936
	Herman, Carleton	:07.1	1934
	Johnson, Illinois Normal	:07.1	1933
70 yard low hurdles	Knappenberger, Kansas State	:07.6	1935
	Sandbach, Purdue	:07.6	1933
	Huntley, Illinois	:07.7	1936
70 yard high hurdles	Heg, Northwestern	:50.0	1936
440 yard run	Beckett, Marquette	1:55.5	1936
880 yard run	Beckett, Marquette	4:14.1	1932
One mile run	Nelson, Butler	6 ft. 5 in.	1932
High jump	Haller, Wisconsin	13 ft. 6 1/4 in.	1936
Pole vault	Davis, Hillsdale	48 ft. 4 in.	1935
Shot put			

mal clipped off one and three-tenths seconds from their former time in the one mile relay, breaking the tape in 3:28.8. Brocksmith of Indiana sprinted the 70 yard distance in :07.1, tying the record set by Randall Herman of Carleton the year before. Huntly, also of Illinois, took a tenth of a second off the good time of :08.8 in the 70 yard high hurdles held by Black of the U. of C. The third record fell when Heg of Northwestern University ran the grueling quarter mile in fifty seconds flat, eclipsing the former time of Burns of Butler by four tenths of a second. The four year existing mark of 1:56.8 in the 880 run held by Hornbostle of Indiana was surrendered to Beckett of Marquette, when he took one and three-tenths seconds off of the old record. Haller, repre-

sented Wisconsin, added seven-eighths of an inch to the former record height of thirteen feet five and seven-eighths inches held by Seely in the pole vault.

#### Judges Selected

John L. Griffith will again be referee and W. J. Monilaw the starter. Coach W. C. Kraft will be among the selected finish judges. A. P. Schreiber, school press correspondent is chairman of the press, and "Sonny" Weismann and W. N. Setterberg are to be head marshals. Tech tank coach, E. W. McGillivray will be among the official timers.

Student activity passes will be honored at the Chicago Field House Saturday night where a crowd of three to four thousand is expected to assemble for the running of the Ninth Annual Tech Relay Games.

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