



SIDELINES

By Paul Schultz

ONE OF THE chief questions of the present day is that of academic freedom. Just what are we to be told and what truisms are to be withheld from us? The federal commissioner of education recently defined academic freedom as "the freedom of the learner to learn, not the freedom of the teacher to teach." The superintendent of Washington city schools voiced an opinion on this vital question when he said, "Teachers should confine themselves to giving pupils a clear idea of existing social order and some understanding of its strength and weaknesses." In contrast to this, a professor of Columbia, the academic cradle of so many of our leaders in the New Deal, stated that "powerful forces" were at work to destroy the freedom of the schools and demanded more of that freedom for the teachers to speak their minds in the classrooms.

THE COLUMBIA professor went further and said, teachers cannot be neutral when "Fascist rule by some privileged group" or government by the people is at issue. Whatever the basis for his arguments may be, his views were basically torn down by the stand which he takes. What the students want and should get is not the opinion of the instructor, but rather the unbiased facts and then the right to think and decide unswayed by the private opinions of other individuals. What this champion of academic freedom wants is not freedom of the learner to learn, but the freedom of the teacher to impress upon immature and easily swayed minds his own notions.

THE SUBJECT of academic freedom ties in intimately with one of the most sacred rights of the constitution, namely—the freedom of speech. It is for us, the voters of tomorrow, to decide. There seem to be only three choices before us. We can receive the facts from sources which withhold the evils, and never quite realize the faults and avoidable evils which we entertain, or we can receive the facts from sources which withhold the benefits, and which try to make us change radically from present forms and seek far afield for solutions to our problems, or we can receive the facts from unbiased and competent sources which not only show the benefits and evils of the present conditions but also point out the true conditions under those plans which radicals exalt as "idealistic."

THE QUESTION cannot be answered by quick and unmediated thinking but rather a correct and suitable answer can only be given after careful consideration and analysis of the situation. Neither can the question be thrown lightly aside for in that action would lie the greatest of all evils.

Chemical Fraternity Secures New Rooms

With the aid of Mr. G. S. Allison, Alpha Chi Sigma, national professional chemical fraternity has secured a suite of three rooms in Chapin hall. Previously they had shared a wing with Phi Lambda Upsilon and Salamander.

The new rooms are located on the first floor of 3339 Federal Street, the former Civil Engineering Museum. The members are busy redecorating the rooms with new style panelling to replace the old wall paper. They have purchased an entire living room, suite and other furniture from Theta Xi, the financing having been made possible by an intensive drive to contact old members. The fraternity is increasing its activities, especially its placement service.

A smoker to which a selected number of sophomores are being invited is to be held next week at one of the fraternity houses.

Stahle to Talk on Marine Insurance

At the next meeting of the Fire Protection Engineering society, on Friday morning, March 8, the members will hear the romantic story of the development of ocean marine insurance. The speaker, Mr. T. Alvin Stahle, of the Insurance Company of North America, is well qualified by experience and training to speak on this subject.

The society is fortunate in finding, in this inland area, a man familiar with ocean marine insurance. Because of his work in the Western Marine department of his company, Mr. Stahle is familiar with each of the allied subjects of inland marine and ocean marine insurance. He has lectured in the School of Commerce of Northwestern University.

The meeting will be at 10:30 A. M. Friday morning in the physics lecture room, and all students are welcome. Sophomore, junior, and senior fire protects are especially urged to attend.

Plans for the society smoker will be made after the dues, one dollar per year, have been collected. John Morrison will collect the money from the seniors; Raymond Peterson from the juniors; and George Svehla from the sophomores.

The meeting which was to have been held last Friday morning was called off because increased activity at the fire department drill school prevented Captain Arthur Brady, the speaker, from being present.

Civils and Archs to Hear Talk on Friday

Mr. J. J. Schmitt Jr. of the Federal Housing Bureau will give a talk on housing problems in "B" Mission next Friday morning at 10:30.

The talk should be of particular interest to all civils and architects. However, students of all departments are invited to attend the meeting. Chicago is recognized by the Federal Housing Bureau as a leader in housing projects and a number of engineers will be employed in carrying on the work.

Mr. R. A. Kirkpatrick will give his lecture on Boulder Dam, which he gave here recently, before the Chicago W. S. E. at the Engineering building in the near future.

Professor of Purdue Visits for Discussion

Armour was host last Friday to Professor R. Norris Shreve, who is connected with Purdue University as a professor of chemical engineering. The purpose of the visit was to discuss with Professor Harry McCormack the program for the Chemical Engineering division of the Society for the Promotion of Engineering Education which will convene at Purdue University on April 6. Mr. Shreve also spoke with Professor Finnegan, who formerly was in charge of arrangements.

Professor Shreve expressed his interest in Armour, especially certain features of the chemical engineering department which he said could be instituted to good advantage at Purdue, notwithstanding the size of that school as compared with the Institute.

Senior Mechanicals Inspect Boiler Plant

On Wednesday, February 27, the Senior Mechanicals, under the guidance of Professor Nachman, inspected the Laska Boiler and Engineering Corporation at thirty-second and Lincoln Streets. A test run was performed on a steam jet refrigerating machine for the benefit of the group, which consisted of about twenty students. A small group later made individual tests on various machines. Such inspection trips will be undertaken at regular intervals during the course of the semester. They will be under the direction of Professor Huntly.

SEE TRIUMPH OF ENGINEERS' SKILL IN BOULDER DAM

Bitter Political Fight Precedes Passage of Enabling Act.

W.S.E. SPONSORS TALK

Through the courtesy of the Union Pacific Railroad Company, the student body and faculty of Armour Institute of Technology was able to hear an inspiring lecture on Boulder Dam by Mr. R. A. Kirkpatrick, special representative of the company, last Wednesday morning. It was through the efforts of Dean Heald and the Armour branch of the Western Society of Engineers that this talk was secured.

Engineers Needed Soon
After being introduced by Dr. Hotchkiss, Mr. Kirkpatrick began by assuring the audience that there would be a need for engineers very shortly. He said that the Union Pacific Railroad lost many good engineers in the past few years, and that the company is anxious to rebuild their competent engineering staff with technical school graduates.

Corrects False Impression

In opening his lecture, Mr. Kirkpatrick corrected several wrong impressions that most people have about Boulder Dam. He explained that the dam is not located somewhere in the interior of the state of Colorado as commonly believed, but is about 30 miles southeast of Las Vegas, Nevada, in the canyon of the Colorado River where the river is the Nevada-Arizona State boundary. He also stressed the fact that Boulder Dam is not being built for the purpose of generating power, and is not being built for irrigation purposes, but is being built primarily for flood control.

The greater part of the talk consisted of a survey of the climatic and topographical conditions and political situation concerning Boulder Dam.

(Continued on page 3)

Permanent program cards are overdue. Hand them in at once!

All seniors who expect to graduate in June should check their credits with Mr. Kelly at once.

Students who are interested in elective courses in English should leave their program cards with Professor Hendricks.

Civils Experiment On Expansion; Prove Courage Under 'Pressure'

By Norton Gerber

While it is a well known fact that metals expand according to the equation $l = l_0(1 + \alpha t)$, it is not a well known fact that gas tubing expands as it darn well pleases, especially if it is weak. Since Armour is fortunate in having two reputable civil engineers, S. S. and F. X. P., who are interested in physics, it may be very instructive to follow the "researches" of these intrepid engineers.

Not content with performing one physics experiment, these aggressive scientists decided to institute an experiment of their own—for the advancement of science. This experiment is one of the best ever devised for any course, because it involves the principals of mechanics, calculus, and the scientific method. In fact, more fame redounds to this experiment because of its origin in the brain of F. X. P., celebrated C. E., otherwise known as a musical note. (N. B.—A musical note is a periodic disturbance—Physics def.)

The experiment itself is quite simple—a true characteristic of genius (or imbecility). Gas tubing is firmly attached to the water faucet with rubber bands; the other end is firmly closed with a screw clamp;

Index of Seniors Nears Completion

During the past few weeks the Senior Placement committee, headed by Albert Lauchiskis, chairman, has been completing plans for the publication of a pamphlet which will contain information about the graduates that is of interest to the prospective employer. This pamphlet will be mailed to concerns throughout the country and will contain only such information as each senior may care to supply about himself. This information will consist of such data as: practical experience; membership in social and honorary fraternities; membership in technical and engineering societies; age, height, weight, nationality, and religion; activity in school life, such as athletics, publications, or clubs; proportion of tuition and expenses earned; and other miscellaneous information.

The actual cost of publication will be \$3.25, and the cost of mailing will be seventy-five cents. Since actual work on the publication cannot be started until the \$4 is paid, Lauchiskis requests each senior to make his payment as soon as possible.

Harmonic Motion To Be Math Club Topic

"The Analysis of Harmonic Motion" is the topic to be presented by Mr. Bronwell, a post graduate in the Electrical engineering department, at the next meeting of the Math Club at 10:30 Friday in Science Hall.

The program committee is developing the schedule for the rest of the semester, and will have it completed in a short time. Those who will have a place on the schedule include professors, students, and outsiders.

Everyone is invited to attend the meetings.

Civils to See Railway Association's Exhibit

Students in the Department of Civil Engineering will pay a visit next week to the exposition of the American Railway Engineering Association. Arrangements for the trip are being made by Professor Stevens.

Beginning next Monday, the Association will place on exhibit virtually every type of modern railway operating and maintenance accessory. The exhibit is being held in connection with the annual convention of the society.

A. S. M. E. Program Features Speaker

Mr. F. M. Van Deventer of the Cities Service Oil Company will be the principal speaker at a meeting of the Armour branch of the A. S. M. E. next Friday, March 8, at 10:30. The talk, one of a series of addresses which the speaker is making throughout the middle west, will be on the subject "Carbon Monoxide as a Contributing Factor in Highway Accidents," and will be illustrated by the use of lantern slides.

"Personal Rating" Investigated

One of the most important topics discussed at last Friday's meeting of the society was brought up by A. M. Lane, who introduced to the members a pamphlet published by the Engineers Council for Professional Development. The latter, composed of representatives from various engineering and educational societies, has compiled a questionnaire and outline to be used individually by junior engineers as a means for a personal appraisal of their own character and abilities. One of the booklets in which these questions are printed may be seen in the library, or additional copies may be obtained from the publishers directly.

A committee, composed of E. P. Auler, J. M. Birdsong, F. D. Cotterman, W. J. Gartz, R. Hella, J. Hlousek, A. M. Lane, B. L. Messinger, H. S. Nachman, and P. A. Reh, was appointed to discuss the "personal rating" pamphlets and to obtain the opinions of various employers on the qualities for which they look in hiring an engineer.

To Hold Smoker

Plans have been laid for the annual A. S. M. E. smoker to be held for all students in the mechanical engineering department on March 19. An admission fee of twenty-five cents will be charged, and may be paid to any member of the smoker committee, composed of R. Hella, A. M. Lane, F. L. Leason, A. S. Majerick, and H. L. Mayerowicz.

At the smoker, which is the only one to be given by the society this semester, the student speaker who will represent the Armour branch in a contest during the annual A. S. M. E. convention will be chosen.

Win and Loss Result from Rifle Matches

Last week Armour's Rifle team competed in two matches, beating the University of California, and losing to the U. of Iowa by a small margin. This week the team will shoot against the University of Iowa in a return match, and in the successive three weeks there will be matches with the Jefferson City, Mo., Rifle club. A meet is also scheduled with the Humboldt Park Rifle Club on March 7. This meet is being looked forward to with anticipation because of the keen rivalry of the two teams over a long period of time.

The officers of the club urge all men interested to make application on March 20, at 12:30 in the range. At this time a meeting will be held for the election of officers and the introduction of new men. Most of this year's team members are to graduate, and new material is necessary to uphold the records established by former teams.

Musical Clubs Score Success With Women

Fame, or maybe notoriety, seems to spread rapidly. In any case the Armour Tech musical clubs have found that their services are much in demand by members of the fairer sex. An organization of college women in Chicago is sponsoring a concert to be held at the McCormack Y. W. C. A. on Friday, March 8. The program will consist of selections from their large repertoire interspersed by new numbers never before used.

Dancing is to be enjoyed upon completion of the concert.

ARMOUR PLAYERS TO PRESENT TWO ONE ACT FARCES

Actors Go Frivolous in Presentation of Comedies

GIRL TO PLAY LEAD

In spite of sines, cosines, and the plate to grid transconductance of a duplex diode-triode, the Armour Players will take time out for the production of two diverting comedies, which will be presented at 11:30 Friday, March 8. The boys have been working conscientiously for a long period of time, and have refined their technique to a state of professional perfection.

Present Burlesque

These comedies are of distinctly different styles, one being a modern American type of burlesque, while the other, a Russian play, "The Boor," by Chekov has a more disguised humor. It is mocking and satirical, making light of human frailties. The situations, though not involved, are extremely amusing, and any person of perceptiveness will not fail to thoroughly enjoy both plays.

Girl in Cast

Of special interest to those astute burners-of-the-midnight-oil, the Armour firstnighters, is the fact that the lead of "The Boor," is played by Miss Martha Naylor, a talented young actress who is making her initial appearance behind the footlights of the "Mission" stage.

Tom Jones, Butler Girl in Cast

"Dress Reversal," the other comedy, discloses the grief of a director attempting to co-ordinate the actions of a group of amateur actors. The progress marches on backwards, and before the play is over, the wild eyed, frenzied director is in a state of near lunacy. Sidney Miner, who plays the part of the director and has studied Professor Hendricks' technique in producing plays, should well be able to give a realistic performance. Tom Jones, who was seen as "Baron Kassel," in the last production given by the players, plays the part of a butler who does not know the difference between "Ooglesnoops," and "Snoogleoops," and pronounces the name "Dr. Middleburg," as "Drumlbry."

List Both Casts

The cast for "Dress Reversal" is as follows:
Mrs. Van de Vander.....
.....William Emmerich
Dr. Middlebury.....Albert Schreiber
Prompter.....Sidney Kreiman
Miss Van Porter.....Budd Sills
Mr. Peterkins.....Joseph Haase
Coach.....Sidney Miner
Detective Munro.....Joseph Kubert
The Professor.....Herman Ross
The Butler.....Tom Jones
The cast for "The Boor" follows:
Elena.....Miss Martha Naylor
Gregory.....John Styrsky
Luka.....John Speropoulos
Tickets for the performances are now available at ten cents.

Chess Club to Meet Farragut Next Week

With its membership growing rapidly, the Armour Tech Chess club is now conducting a series of club tournaments among its members. N. Gerber, one of the outstanding players, is leading in the contest.

Having defeated the Farragut Chess club in January, the team is scheduled to play a return match on March 14. A return match with the Polo-American chess club is also planned for the near future.

To expand its club activities further, the Armour Chess club has now become a member of the Illinois Intercollegiate Chess Association. Four leading universities in the Illinois area are represented. They are, besides Armour Tech, Northwestern, Chicago, and the University of Illinois. Robert Hella and Prof. Ensz represent Armour in the Intercollegiate chess association.

Armour Tech News

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



\$2.00 Per Year Single Copies, 10 Cents Each

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Vol. XV MARCH 5, 1935 No. 3

Time for a Change

The Armour Players are to present, next Friday, a program of one act plays. It is to be hoped that those who attend will realize the value as souvenirs of the printed programs to be distributed on this occasion, and will, when they leave the room, carry with them the playbill that was given them when they entered.

A guest of the Players and the Institute on this occasion will be a talented young actress, and our appreciation for the decorative effect she will produce on our stage should not overshadow our desire to let her do a little acting on it.

The Armour players deserve a great deal more appreciation from the student body than they have received in the past; next Friday's performance should show that a majority of the students have come to realize this.

Class or Classy Dances?

An admirable understanding apparently exists among the four Armour class social chairmen. As far ago as last fall, the *News* announced that they were planning to conclude an agreement whereby, in return for the service of "boosting" one another's affairs, every member of their committees would receive a free bid to each Armour class dance.

But beyond that, their opinions on the nature of the duty they owe their classes are strikingly similar. Their aim has been to present dances that will be note-worthy for their elegance, their exotic settings, and the novelty of their bids and programs. Their adherence to this opinion has meant that the cost of Armour dances of late has been consistently higher than it should be, so high in fact that it has kept away many students who might otherwise have attended.

There has even been a suggestion that this is a desirable state of affairs; that it is better not to have too large a crowd at a dance. There might, of course, conceivably be circumstances in which the crowd could get too large, but never at a class dance.

A class dance, after all, is for the whole class, and not only should the price be such as to exclude no one, but the ballroom should be large enough to accommodate the crowd.

Moreover, while class dances are an established feature of college life, and are recognized as practically necessary, there is no precedent for class drinking parties. Drinking at class dances is ordinarily nothing to get alarmed over, but there is no reason why it should be encouraged to the extent of providing so much space for the serving of drinks that dancing is not only discouraged but made well-nigh impossible.

Armour students deserve a great deal of credit for the way they behaved under rather trying circumstances at the last dance. Perhaps now they've had enough of the high life, and would welcome an ordinary dance at a price within the reach of all.

"The Slipstick"

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

We are certainly living in a fast age. These are the days of jazz, gasoline, static, white mule, wild women, whoopee, baloney, dominated by flaming youth, brilliant colors, and high speed. In order to keep up with the times, you have to be triplets, and work in eight hour shifts. The old order sure doth changeth. The old fashioned business man used to marry his stenographer with the idea of dictating to her after they were married. Today, if they try to sell him a typewriter, he will say, "No, I am still paying alimony on the last one." The old fashioned girl was harder to kiss, but it wasn't so dangerous. The parlor sofa wouldn't smash into a tree. She used to hang mistletoe over her door, now she puts a parking light on her roadster. Formerly the price of a good time was eternal damnation. Now it depends on where you go. They used to say that he who dances must pay the piper. Now you start off with the hat check girl. It used to be "Wine, women, and song." Now it's "Gin, janes, and jazz." The other day a man was running down the street, and bumped into a lady. He apologized by saying that he was trying to get home with his wife's new hat before the styles changed. What's it going to be like in fifty years from now?

An old rooster out in California got out of his own yard, and into the yard of an ostrich. He discovered an ostrich egg, which he rolled back into his yard. He called all his hens around him, and said, "Sisters, I'm not telling you what to do, I'm only trying to show you what can be done."

IN MEMORIAM

Lay him down gently, peace to his soul.
Here lies a student, gone to his goal.
Two hours on Monday, Tuesday one.
No sleep on Wednesday, Thursday none.
A quiz on Friday, a Saturday date,
Woke up on Sunday much too late.
Went to school Monday with aching head.
Three quizzes on Tuesday, Wednesday dead.

An artist who was employed to retouch a large painting in an old church in Belgium rendered a bill for \$100.

The Church trustees, however, required an itemized bill, and the following was duly presented and paid:

Adjusting the stars	\$ 2.06
Brightening the flames of hell	.60
Cleaning Balaam's ass	5.06
Cleaning moon	1.10
Correcting ten commandments	6.10
Decorating Noah's Ark	6.50
Embellishing Pilate	3.02
Enlarging Goliath's head	2.03
Extending Saul's leg	2.05
Mending shirt for Prodigal Son	.35
Painting silver dollar on poor box	.80
Putting earrings in Sarah's ears	30.00
Putting new tail on the devil	1.50
New tail on St. Peter's rooster	4.18
Rebordering the robes of Herod	1.43
Removing soot from Vesuvius	3.12
Restoring lost souls	25.00
Renewing Heaven	1.00
Taking spots off Tobias	1.00
Washing feet of the high priest	3.10
Total	\$100.00

PHONEY PROVERBS

Where there's a will, there's a law suit.
Early to bid and early to raise makes a man a—bridge player.
It's better to have loved and lost—much better.
He who—who he—who who—he—aw, skip it!
A miss is as good as her smile.
A bird in the hand is bad manners.
Familiarity breeds attempt. (Get this, you gals.)
All are not girls that giggle.
Love is blonde.

Pessimistic Philosophy

Man comes into this world without his consent, and leaves it against his will. When he is little, the big girls kiss him. When he is big, the little girls kiss him. If he is active in politics, it's for graft. If not, he's no good to his country. If he makes a lot of money, he is dishonest. If he is poor, he is a bad manager. If he needs credit, he can't get it. If he is rich, everybody wants to do him a favor. If he is religious, he is a hypocrite. If he doesn't go to church, he's a hardened old sinner. If he gives for charity, it's for show. If not, he is a stingy cuss. If he is affectionate, he is a soft specimen. If he doesn't care for anyone, he is cold-hearted. If he dies young, there was a great future in store for him. If he lives to a ripe old age, he missed his calling. If he saves money, he is a tightwad. If he spends it he's a spendthrift. If he has money, he is a grafter. If he hasn't got it, he's a bum. So what's the use?

I used to be a wall-flower, but after I began to tell jokes, they began asking me out. In fact, the other night I had only told two jokes, when I was asked out.

'Twas midnight in the parlor,
'Twas darkness everywhere;
The silence was unbroken—
There was nobody there.

Isn't it strange how a man will chase a girl until she catches him? Anyway, marriage is like a cafeteria. You take the first thing that looks good to you, and pay for it later. Many a man who is a big bug at the office is only an insect at home. When you see a pretty girl you stop, look, listen. After you are married, you just listen.

BOOK REVIEWS

By Martin J. Hodes

Gold's romantic story is very well known to all of us, probably because of the glamour which is attached to the metal itself. But how many of us have ever given a thought to the metal copper, and how many realize that it, too, has had a history fraught with greed, ambition, comedy, and tragedy? For the story of copper is amazingly dramatic, and in "Romantic Copper, Its Lure and Lore," Ira B. Joralemon has fully caught the glamour of the story. The lusty life of the mining towns, the noisy dance halls, and the gambling halls all enter for their full share of glory.

The opening chapters deal with the ancient history of copper and the accident which reopened the hidden wealth of Cyprus after it had remained in oblivion for almost two thousand years. Fate decided that one evening the girl of the hour, whom young D. A. Gunther was to meet in the public library before going to the theater, should be late. Idly turning the pages of a book of archaeology, a reference to the use of copper by the Phoenicians caught his eye—and his mind. "Where had these ancients found their copper?" Before the evening was over (and he was a most unattentive swain that evening) a plan of campaign was made. The final result of a tardy date, the right book, and a theory was one of the world's greatest copper mines.

No less picturesque is the tale of the discovery of one of the greatest ore bodies in the Lake Superior Copper Country. This time a lowly pig is given credit for falling into an old Indian mining hole and leading a hard working surveyor to a lode of conglomerate copper which had much to do with the development of the electrical industry because of its effect on the price of the metal. Another version of the discovery omits the pig but upholds the accident theory. Whether the pig or science was at the bottom, however, the story is an excellent example of the role Fate has played in the development of copper mining.

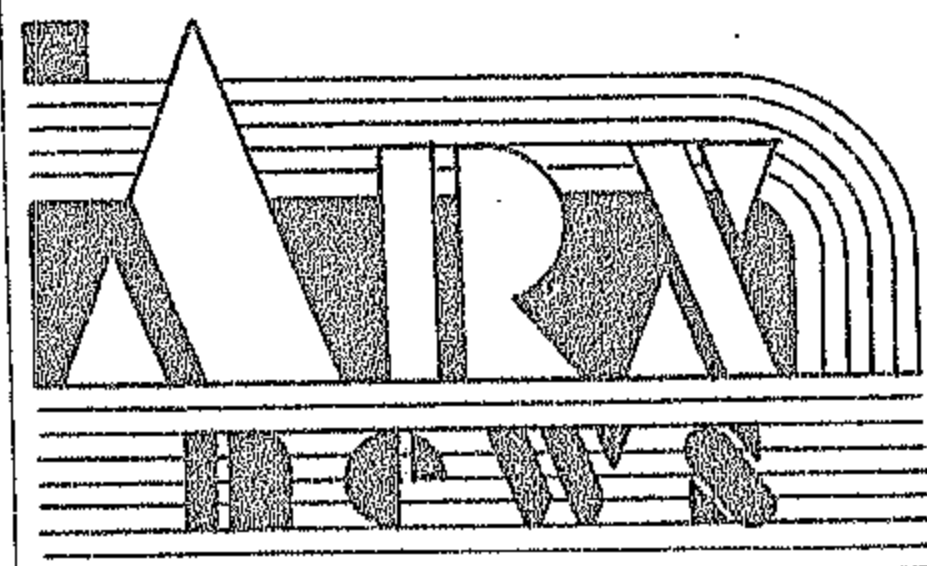
However, all was not accidental in the early days of mining. Much of the business was in deadly earnest, as exemplified by the chapter of the story on "The Richest Hill on Earth," Butte, Montana. Ethics seemed to be unheard of. One case involving mining rights stretched over a period of six years, involving in the meantime many legal battles and actual underground warfare between the rival factions. In the courts, bribery was openly resorted to. Decisions would be handed down; the higher courts would reverse them; they would be openly violated. For every case that finished the slow round of the higher courts three or four new ones sprang up. It was a hopeless tangle. Legal costs and injunctions, acting together, finally brought both groups to a point where there was no end in sight but bankruptcy. The inevitable settlement was brought about by consolidation, and eighty lawsuits involving \$100,000,000 were dismissed. With the end of the battle, romance at Butte was dead, efficiency and dividends coming to replace it.

In the final chapter Mr. Joralemon states that from a longer range point of view the discoveries of all the new copper mines have come just when the added supply was most needed. As a proof, he reviews the cycles of "fashions in mines" from the beginnings of the Copper Country to the present day.

The word which would most fully describe this volume is "lively." In his rapid, robust, picturesque style, Mr. Joralemon is slightly reminiscent of Paul De Kruif, an asset to any writer. The author has not, however, sacrificed accuracy for interest, for being a consulting engineer, he has carefully authenticated all his material from an engineer's viewpoint.

Sikorski, famous airplane designer, is now a member of the faculty of Rhode Island State college.

Purdue university colors, old gold and black, will be used on the Indiana license plates for 1937. The cream and crimson colors of Indiana university will be the color motif of the 1936 plates.



Just another dizzy charette, and you can take it from yours truly that the seniors, with a few exceptions, don't know whether they're coming or going. And maybe it doesn't make much difference, because it will all be over this p. m. that is, the Illuminating Engineering Society Prize.

Do you suppose anyone would mind if we didn't mention that Mrs. GRANGER's little lad, STEWART S. rated a mention on the R. K. O., with his buddies, FARO, FORSYTH, and SIEGAL rating half mentions? But if we failed to make a note of the baffling mystery of who sent GRANGER a Valentine, signed VIRGINIA, we would certainly be scoffed at.... It seems that stooges are all the rage these days, and who are these ARX not to be up to the minute with everything?... You answer that... But seriously, it has gone so far that even Jack ALLEN has WANDMAYER stooging for him in Concrete.... and not to be out done Mr. BAKER of the frosh has his classmate... WOOLSEY... that chap with the INEVITABLE p i p e... shadowing him.... And from Bill CONCOLINO we learn that the ARX inter-class basket-ball tourney is about to get under way... Boy, is there competition for that coveted lead pipe!

You'll pardon us, we hope, if we return to the stooges for a moment. Just to get this straight: Is Bernie NOBLER haunting the SCHREIBERS or is it vice-versa?... But for some unknown reason Gus KVAPIL, the sport-page athlete, and 2H SLAVITT rate a super-stooge,

Fisher to Continue Series On Duehring

Literary minded students of German classics have asked Professor Haans Fischer to continue the lectures on Eugen Duehring, which he began last Thursday. Since most of the members of the club who were present at the last meeting were chemicals, a request has been made for Duehring's scientific works in chemistry and physics.

Professor Fischer gave a brief autobiography of the famous man and his works on philosophy, religion, mathematics, chemistry, physics, and mechanics.

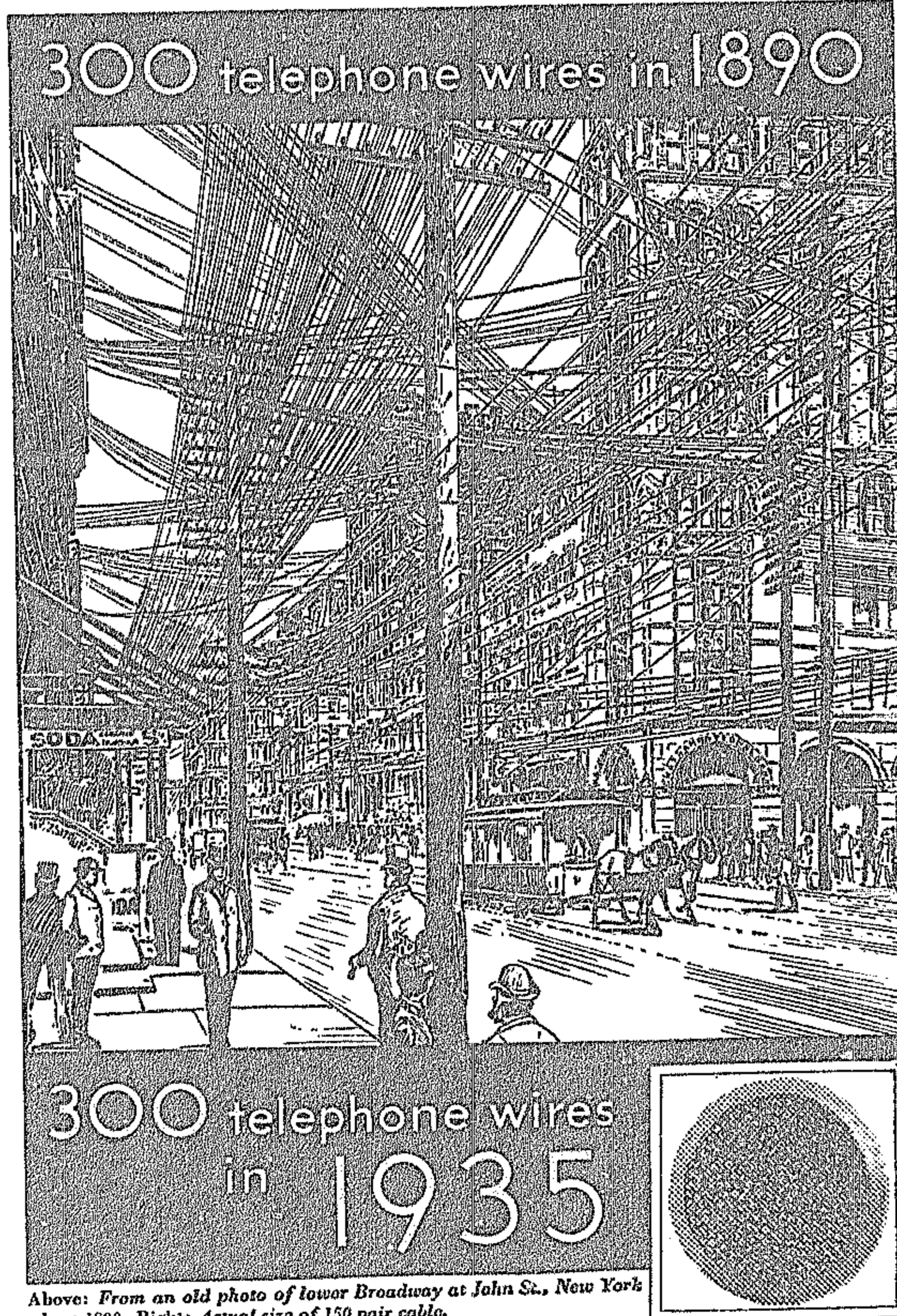
who happens to be Ted HOFFMEISTER. Ted did a neat bit of designing and drafting for these men, as well as a good deal of general criticisms to the rest of the boys.

Mal FORSYTH, since letting his hair grow, has created a new pastime in an old game. His latest hobby is hair-pulling... sounds a bit effeminate... but not the way he plays... after he gets through with you, your head feels like a pin cushion.

Let us forget, ere one of the juniors tears out our hair, we must mention that they also "chipped in" for Mrs. GOODMAN'S farewell gift. Also apologies for not mentioning that first mentions were awarded Kohn, Pfendt, Van Scoyoc and Viche-Nuess in their "Open Air Museums"... Mr. BENTLEY'S history class received a gift last week when HARRY HOWE very considerably postponed the sketches for a week... (today's the day)... This was done so that the class could attend the two lectures given by Mr. C. Grant LA FARGE... a prominent New York architect....

Editor's note: Any synonyms for the word stooge will be greatly appreciated, since it has been repeated no less than (....) times. (Some dope is sure to count them).

EAGLE EYE.



Above: From an old photo of Lower Broadway at John St., New York about 1890. Right: Actual size of 150 pair cable.

Bell System engineers long ago began to work out a way to clear city streets of overhead wires. The first telephone cables were crude affairs—a few wires drawn through a pipe. Continuous research brought forth improved designs, better manufacturing methods, cables of smaller size yet far greater capacity. The cable with the greatest number of wires today—3636—is 2 1/2" in diameter.

More than 94% of the Bell System's wire mileage is now in storm resisting cable—one of many developments to improve service.

Why not drop in on home tonight — by telephone. For a lot of pleasure at bargain rates, call by number after 8:30 P.M.



American Engineers and Workmen Set Records In Dam Construction

(Continued from page 1)

The Colorado River really forms at the junction of the Greene and Gunderson Rivers in Wyoming. The region about this junction has been subjected to very heavy snowfall every year, and the spring thawing releases a large volume of water into the Colorado River. In the past the river dumped all its suspended matter across the mouth of a bay on the California shore, and finally caused the formation of a delta here. When this body of water evaporated, it left what is known as the Imperial Valley of California, a very fertile region.

As more earth was deposited year after year at the delta, the river bed was raised for many miles back, causing grave danger of the rivers flooding the Imperial Valley. For many years Congress hesitated to appropriate money for flood control in this region to benefit only a small proportion of the country. However, in 1905, a flood occurred, causing a great loss of property, and the deaths of about 100 people. This aroused Congress to action, and a committee was appointed to investigate means of controlling this annual flood condition.

Dr. Elwood Mead Starts Work

Not much progress was made until after the World War when Dr. Elwood Mead was made head of the bureau of reclamation. Being connected with three state universities in that territory, Dr. Mead realized the importance of flood control and sent Walker R. Young, a conscientious student known by Dr. Mead, to investigate the Colorado Canyon for a possible dam site. Mr. Young spent almost 12 years in this investigation of the canyon, and then

suggested that a dam be built in Boulder Canyon.

Before Congress had authorized the building of this dam for flood control, a party of five congressmen, of the many who visited the dam site, saw a spot in what is known as Black Canyon about 12 miles downstream from Boulder canyon, where the river was slightly narrower. They returned to Congress and secured the passage of a bill authorizing the construction of a dam at this point. Although the Black Canyon consisted of volcanic lava rock and the Boulder Canyon was composed of granite, Dr. Mead and other men connected with the engineering work found that it would be easier to build in Black Canyon than to again open the fight in Congress.

Build City for Workmen

Preparatory to construction work, Boulder City was built and two and one-half years were spent in blasting out the walls of the canyon, grouting, and general preparations for providing a satisfactory dam foundation. Then followed one and one-half years' work in surveying the canyon at the dam site and preparing blue prints. In all this work it was necessary for the men to work strapped in seats suspended from cables.

The actual building of the dam, which is now about completed, required only a little over one year of work. The five million barrels of cement used in its construction are as much as the Bureau of Reclamation has used in 29 years of gigantic construction work preceding the building of Boulder Dam. The concrete was mixed in a mixing plant four and one-half city blocks

W.S.E. to Hear Talk on Planned Progress

"Go West young man," the famous words of Horace Greeley, will be given at the next meeting of the Chicago Western Society of Engineers, Thursday evening, March 7.

Mr. Kadic's talk will show the significance of Horace Greeley's words at the present time, and that new frontiers must be developed through new modes of thinking.

As an engineer with the Illinois State Planning Commission, Illinois Emergency Relief, Mr. Kadic by meeting social as well as engineering problems has had a well rounded experience.

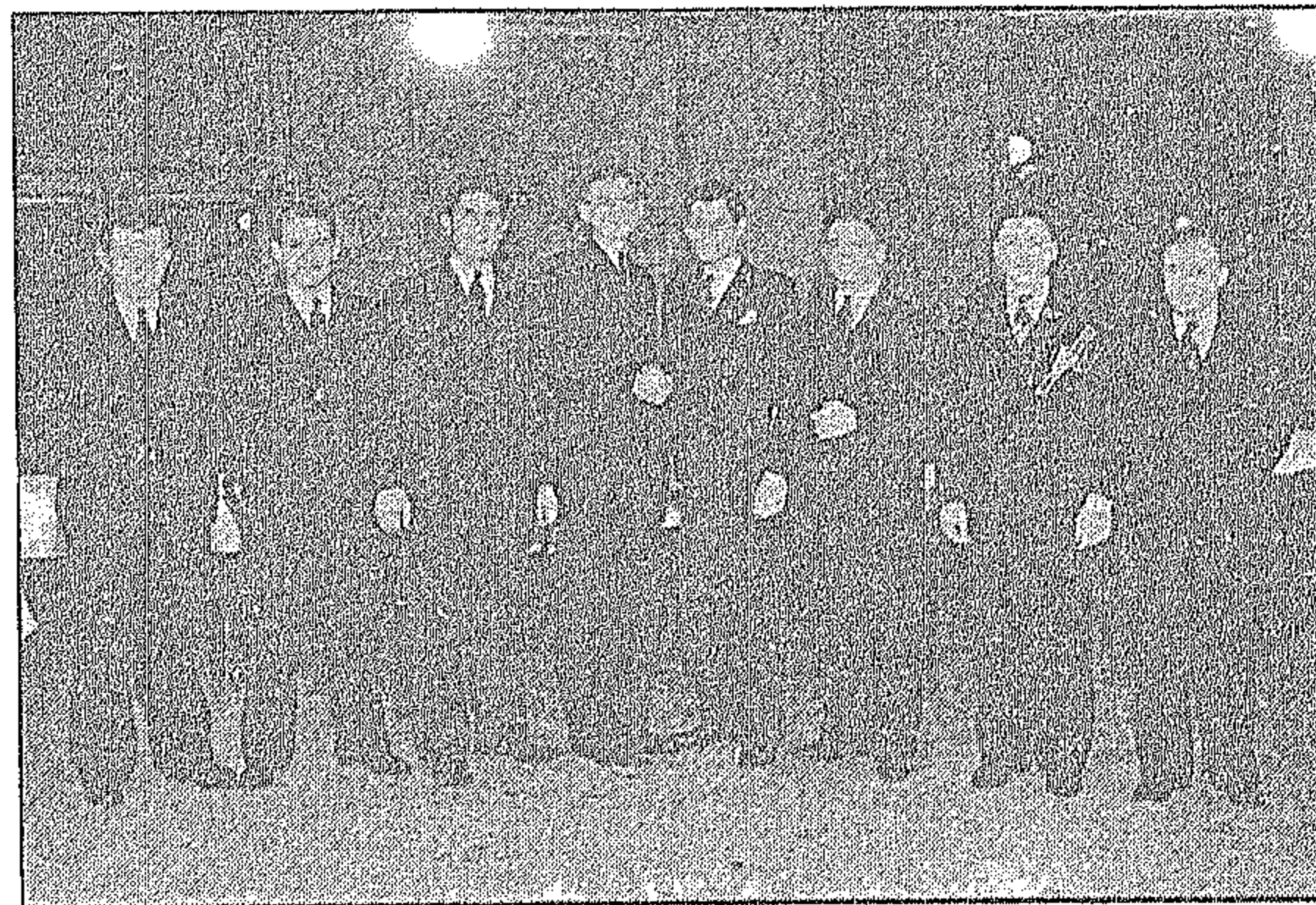
All students and their friends are invited to attend the meeting. It will be held in room 1200 of the Engineer's Building, 205 West Wacker Drive, at seven o'clock on Thursday evening.

long which has never been operated at its full capacity. The record run was the mixing and placing of 22,000 tons of concrete in 24 hours, a record which will probably never be broken.

Concrete Poured by Cableway

An especially interesting detail is the method of delivering the concrete. One of a group of men standing on the slab to be poured wears a telephone strapped to his body. He telephone to the tower man, who can not see where the concrete is to be dumped, to deliver a load of concrete at a certain point in the square which is designated by a number. Promptly the carriage moves out and lowers its bucket of concrete. The telephonist watches the approach of the carriage and relays to the tower man when it should stop, some distance from the required position. The momentum carries the bucket ahead and over the point

TWO MANAGING BOARDS



Scene at the ARMOUR TECH NEWS banquet when a new staff officially took over publication of the newspaper. Left to right: Old board, R. J. White, business manager, R. D. Armsbury, managing editor, W. B. Ahern, sports editor, E. N. Searl, editor-in-chief; New board, R. R. Johnson, editor-in-chief, J. O. Larson, sports editor, F. D. Cotterman, managing editor, and C. L. DuSelle, business manager.

Armour Alumnus Is Temporary Director

Another Armour alumnus has made his mark in the business world. Recently, Tirrell J. Ferrentz, C. E. '11 was appointed temporary director of the Contemplated Land Use Survey and Real Property Inventory of Chicago and Cook County. The appointment was made during a meeting of the Metropolitan Housing Council at the Union League Club.

it is to be dumped. As the bucket hesitates here, the carriage shoots ahead to position, and thus keeps the bucket from swinging back. When the concrete is dumped the tension in the cable jerks the bucket up to a height of 35 feet.

Housing Service Aids in Securing Tenants

Students can secure tenants for vacant apartments and houses owned by their parents through the Housing Service Bureau, a non-profit organization formed to locate dwellings for families living in the neighborhoods to be rebuilt by the PWA.

With the building of the PWA West Side Housing Project, it has become necessary to assist families in this district to find new homes. The bureau is maintaining a file of vacancies submitted by owners and real estate dealers, and will refer families to those dwellings which meet their requirements. The apartment must rent for thirty-five dollars per month or less and must be located in Chicago or suburbs.

New Film Shows Welding Practice

A new motion picture of modern welding methods has just been made available to engineering societies by the Linde Air Products Co. Entitled "The Multi-Flame Lindewelding Head," it shows the improvements in strength and efficiency made possible by faster pipe line welding.

The scenes of the picture are in mid-western oil fields and show some of the pipe lines recently completed in record time by the new method. Field erections on such a large scale have always involved certain difficulties, which were thought inescapable in gas welding. By better heating and more accurate control, the new devices shown in the film have further improved acetylene welding, so that even more reliable joints are made possible.

New Technique Explained

The picture first explains the multi-flame blowpipe head, which makes possible a saving in time because of more rapid and uniform heating. The technique of manipulating the flame and welding rod is then developed by color-filter pictures. To show the proper control of the puddle, some unusual photography with a telephoto device was used. This method of photographing also makes it possible to show the action of the preheating and welding flames upon the metal during the welding process.

Film Is Popular

While at first intended for operators and welders, the film has been found very popular with other industrial groups. It may be secured for technical meetings by writing to the Linde Co., who will furnish further details.

When strangers meet
I break the ice

I'm your best friend

I am your
Lucky Strike

You like me best because I am so mellow, rich, flavorful. She chooses me in preference to other cigarettes for another reason; because I am so mild and easy on her throat. But you both prefer me because I am made exclusively from fragrant,

expensive center leaves. That's why I'm milder. That's why I taste better. No top leaves, unripe and stinging; no bottom leaves, coarse and sandy, are permitted to destroy my uniform mildness and good taste. I'm your best friend. I am your Lucky Strike.

LUCKIES USE ONLY THE CENTER LEAVES
CENTER LEAVES GIVE YOU THE MILDEST SMOKE

They Taste Better



LITERARY DIGEST CONDUCTS PEACE POLL IN COLLEGES

Opinions Divided As to American Entrance Into League

AGAINST ARMAMENTS

American University undergraduates voted a scant majority against the United States entering the League of Nations in the recently conducted College Peace Poll. Ballots were returned by 112,607 students in 118 American colleges and universities. This poll was sponsored by the Literary Digest in conjunction with the Association of College Editors.

Seven questions regarding America's participation in any future wars and the League of Nations situation were asked in an effort to obtain an accurate cross section of the opinion of undergraduates in American schools of higher learning. Students favoring the United States' entry into the League of Nations constituted 49.47%, while 50.53% voted against it. Queried as to whether the United States could stay out of another great war, the student's vote was more than two to one in the affirmative.

Regarding the bearing of arms in war, 83.54% of the students voted they would if the borders of their country were invaded and 16.46% voted they would not. Only 17.82% would bear arms for the United States in the invasion of the borders of another country while 82.18% refused.

Do Not Favor Armaments

Voting 69,715 to 41,407, they voiced opposition to a national policy that a "navy and air-force second to none is a sound method of insuring us against being drawn into another great war." However, in case of war, the students balloted nearly five to one for universal conscription of all reserves of capital and labor to control profits, and more than nine to one on the advocacy of Government control of armament and munitions industries.

One Canadian University, Queen's

23 F.P.E. Graduates Trailed by Brothers

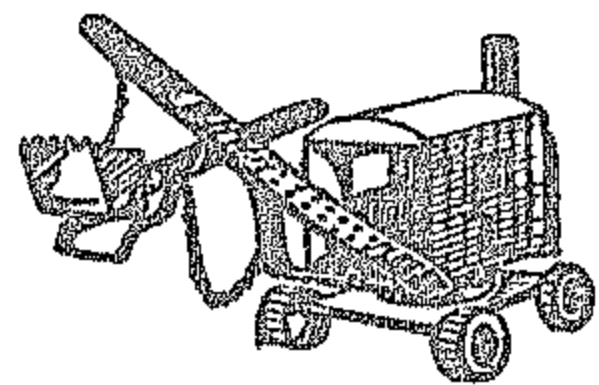
It is interesting to note how brother has followed brother to Armour especially in the department of fire protection engineering. Since 1906 forty-five men have followed in the footsteps of their brothers.

The list of men is as follows:

- Claude R. Ailing '07
- Harold M. Ailing '11
- Charles J. Beal '30
- Marshall Beal '32
- Erwin W. Breckmann '29
- Mearl W. Brockmann '34
- Chas. S. Chandler '28
- William S. Chandler
- Charles S. Cole '24
- Everett R. Cole '18
- Donald B. Davidson '27
- James A. Davidson '26
- Richard E. Freeman '25
- Robert K. Freeman '36
- Alfred C. Gunther '30
- W. M. Gunther '37
- Richard E. Harwood '34
- Robert D. Harwood '37
- Arnold A. Hepp '06
- Emil J. Hepp '14
- Arthur H. Jens '31
- Charles Jens '32
- Wilton F. Kuffel '27
- Charles P. Kuffel '34
- Thomas J. Kingsley '20
- Philip Kingsley
- William Kingsley
- Eugene E. McLaren '24
- Samuel J. McLaren '26
- Howard B. Maguire '17
- Robert R. McGuire '22
- Robert W. Schirmer '27
- Walter E. Schirmer '31
- Alfred T. Schrage '30
- Paul F. Schrage '31
- John M. Smethells '28
- William T. Smethells '32
- Claude M. Westerman '31
- F. G. Westerman '37
- William P. Winkler '31
- Richard E. Winkler '37
- Edward G. Magnuson '32
- Roy J. Magnuson '37
- John Arends '32
- Edward W. Arends '38

At present seven men are now students who are brothers of Armour alumni. It would be very interesting to know how near other departments can come to this record.

THE STEAM SHOVEL



Do you remember way back when Tau Beta Pi attempted the erection of a memorial in the corner of Ogden Field? The attempt failed because the "Taw Baits" could not seem to hit upon the right constituents for the concrete. The memorial is now a part of the Ogden Field cinder track!

JOHNNY HUMISTON gives us a partial inventory of **CAPTAIN AL LAUCHISKIS'** personal equipment acquired during the season: 3 Terre Haute towels; 1 C. and E. I. first aid kit; 1 ream hotel stationery; 1 bottle opener and cork screw; 1 Indiana State towel; 15 bars hotel

University in Kingston, Ontario, was polled and showed similar percentages to the ratios returned by American schools with the exception of the League of Nations question. An overwhelming majority, 97.14% of the Canadian students who voted advocated that Canada should remain in the League.

In general, the technical colleges throughout the country voted according to the general opinion.

Among the technical schools that voted are Carnegie Tech, Alabama, Cornell, Illinois, M. I. T., Purdue, and Tennessee Tech. Armour students were not polled.

soap; 1 pair sugar tongs; 1 Ypsilanti station sign; 1 Huron towel; 2 Webster Hall towels.

Ed. Note: That's what we call a good season.

FLASH!

We are informed that the young lady who is soon to take the big leap with **GEORGE WEST** is none other than the little brunette, "**ESTHER**," who is frequently seen in Georgie's company.

JOHN GALANDAK, attempting to put a piece of pipe from the filtration plant in his pocket, overlooked the fact that the pipe was connected. The result: one pocket filled to overflowing by the pressure behind Chicago's great water system.

We hear that **Mike Shewchuck** is bemoaning the fact that he wasn't mentioned among the returning baseballers. A doctor's advice doesn't mean a thing in his young life. No sah!

As quoted by no less an authority than that great master chemist, **J. RUSSELL LANG**:

"Isn't it funny that all girls look alike when you kiss them?"

You should know, Russ; you should know.

Steam Shovel, Please Notice: It was Captain E. Krok who searched in vain for a Tavern in Evanston after too many bouts with three different clubs. I confine myself exclusively to wine—like Omar Khayyam.

HANNS FISCHER.

And by the way, thanks **Judd**; come up and see us some time.

STUDENT MUSINGS

A promise is something that is harder to keep than fresh milk in a thunderstorm.

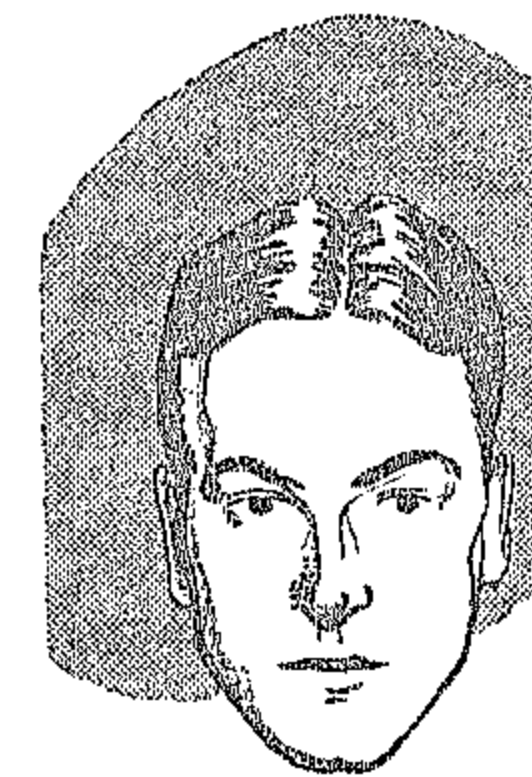
Promises do not spoil like milk, however, they break. The butterfly's wing is a tough and durable affair beside a promise. A man who can break 100 clay ducks in succession is proud of the record, but many a statesman has broken 1,002 promises the first week in office, and without any effort either.

Promises are legal tender for all kinds of favors and goods, but they are not guaranteed by the government, and are very precarious security. Some men turn out an extraordinary high grade of promise which will be redeemed over the counter without question at any time. Other men issue promises faster than a wildcat investment company can turn out bonds, and when the proud possessor of one of these promises tries to cash in on it, he discovers that it is Confederate money.

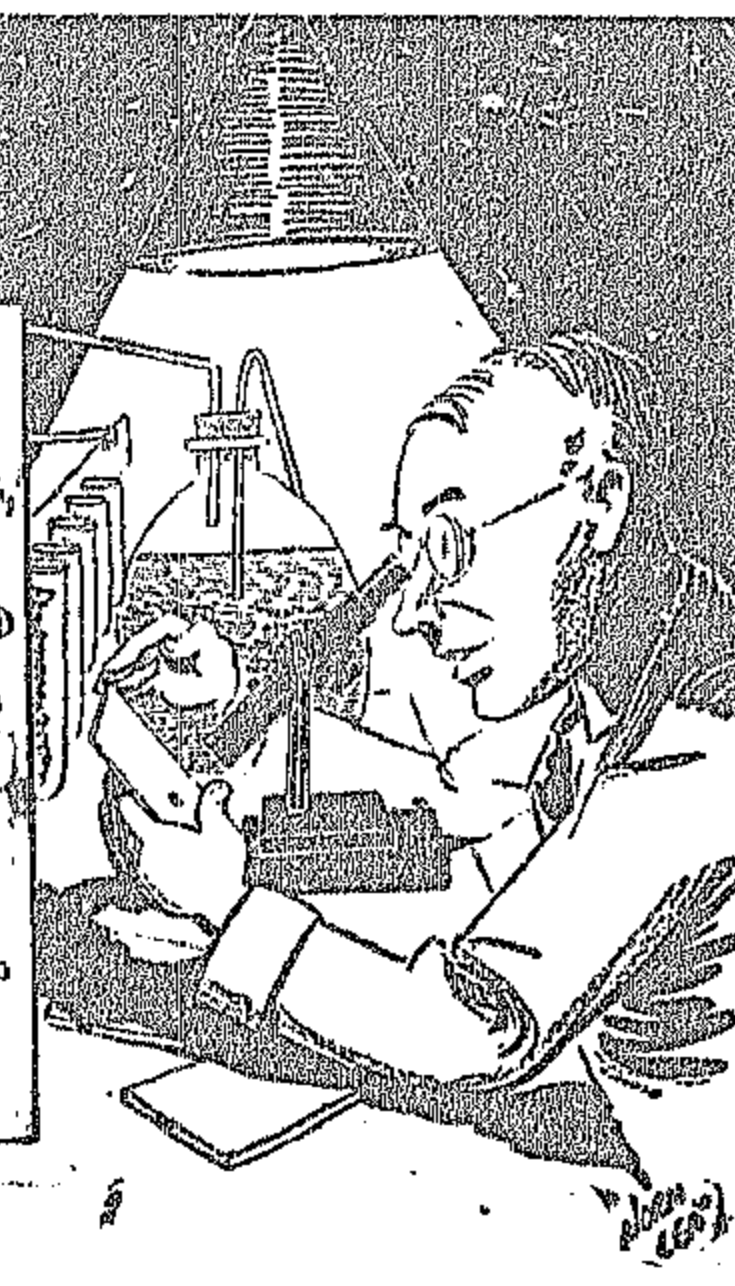
There are two kinds of business which are carried on almost entirely by promises—politics and love. The candidate for election is very talented in putting out vast issues of very attractive promises. Many a voter has gotten up early and run all the way to the polls to help elect a noble character who has promised to enforce the laws, uplift the administration, reduce taxes, increase prosperity, double crop returns, protect the public health, increase the number of potatoes in a bushel, make the street car company call for its customers, and prolong the life of shoes. But later he finds that these promises cannot be fulfilled, owing to the overworked necessities by a satisfying Bill, Mike,

CAMPUS ALBUM

UNIVERSITY OF CHICAGO
CHICAGO, ILL.
FOUNDED 1890



PROF. A.V. GROFF, OF THE UNIVERSITY OF CHICAGO, RECENTLY ISOLATED PROACTINIUM, THE RAREST METAL ON EARTH FOR THE FIRST TIME. THE NEW METAL IS SILVERY RADIO ACTIVE AND ITS RAYS ARE MORE PENETRATING THAN RADIUM. IT MAY BE USED FOR TREATING CANCER.



PRES. ROBERT MAYNARD HUTCHINS

IS THE YOUNGEST PRESIDENT OF A LARGER INSTITUTION OF LEARNING HIS NEW EDUCATIONAL PLAN UNDER WHICH A STUDENT MAY PROGRESS AS RAPIDLY OR AS SLOWLY AS HIS ABILITIES DETERMINE HAS BEEN ACCLAIMED AS THE GREATEST ADVANCE IN EDUCATIONAL PROGRESS IN RECENT YEARS.

IN 1925 PRES. HUTCHINS CONFERRED AN LL.D. DEGREE UPON HIS FATHER WHO IS ALSO AN EDUCATOR.

PROACTINIUM IS WORTH \$1,000,000 AN OUNCE

THE UNIVERSITY OF CHICAGO HAS OVER \$100,000,000.00 ASSETS IN ITS PLANT AND ENDOWMENT FUNDS

Steve, and 876 other citizens, each of whom holds a promise good for one public job.

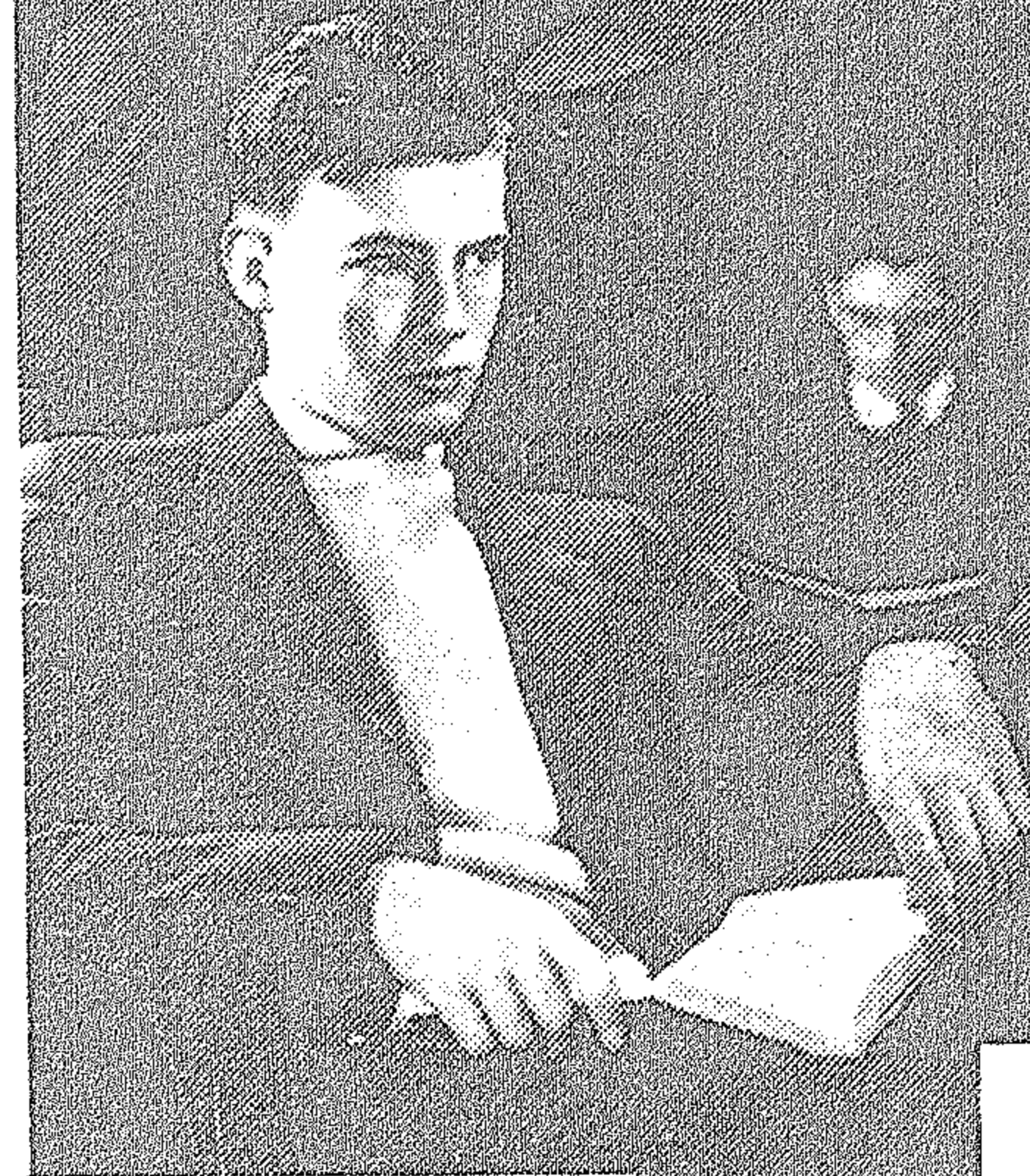
When persons fall in love they thank kindly Providence for inventing the promise. It is nothing for a young man to give a young woman a beautiful home, a private yacht, a limousine, a vacation in Europe, flowers every day until she dies of old age, and unlimited affections without a single transgression—all in promises—in a single night. And it is

nothing for the same young lady, two years after marriage, to spend three hours trying to trade all of these promises for \$1.25 in United States money, in order to buy a new hat and spend the balance on enervating luxuries.

People should be as careful in accepting promises as they are in taking notes. They should step around to the nearest information booth and look up the promisor's ability to pay. P. S.

WHEN YOU FACE A TOUGH ASSIGNMENT —

GET A LIFT WITH A CAMEL!

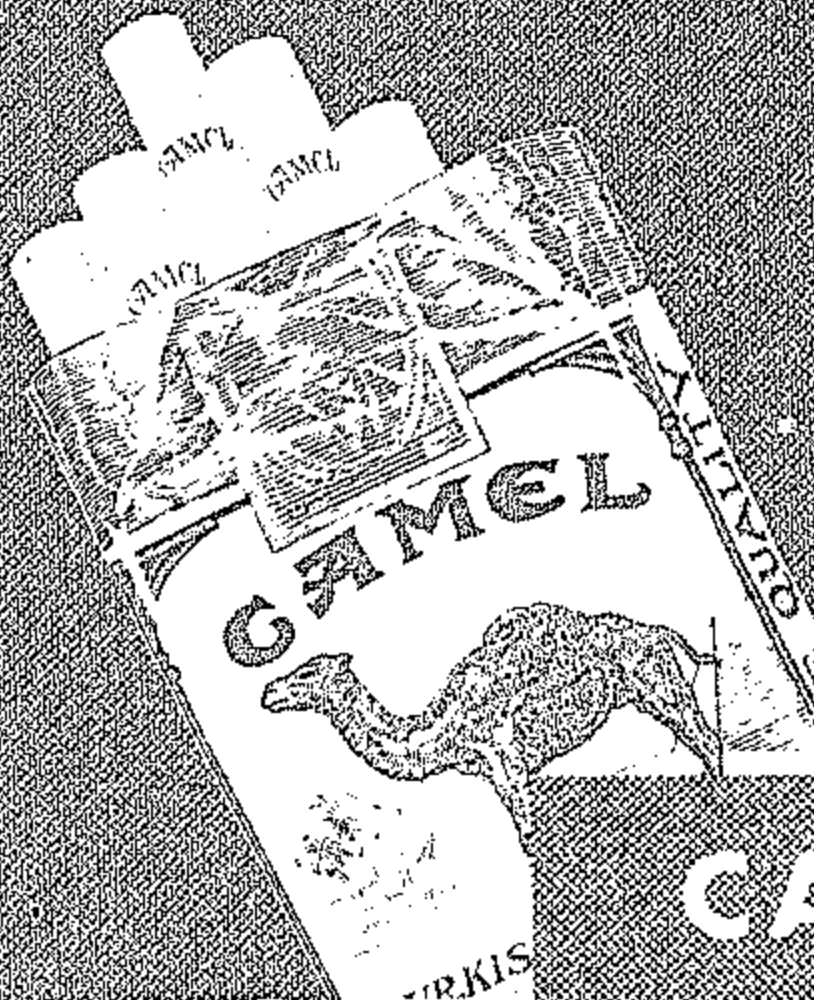


"SPEED SKATING takes an abundant supply of stamina and energy. Camels restore my 'pep' when I've used up my energy. And they taste so good, too. For sheer pleasure, there's nothing like a Camel." (Signed) **JACK SHEA**, Olympic Champion Speed Skater

OUR TOBACCOES COST MILLIONS MORE

Camels are made from finer, MORE EXPENSIVE TOBACCOES—Turkish and Domestic—than any other popular brand.

Signed: **R. J. REYNOLDS TOBACCO COMPANY**, Winston-Salem, North Carolina



"THERE'S SO MUCH GOING ON in college today," says **James Casey, '37**, "that an undergraduate can hardly find time to work everything in. I'm studying a business course; am mixed up in several outside activities; and, in my spare time, I'm doing tutoring. So naturally I feel rather weary and 'fed up' at times. To head off fatigue, I always turn to Camels. Smoking a Camel does 'wake up' my energy. It's a delightful experience! And what a great taste Camels have—mild, yet full and rich. I never get tired of Camels. I guess that's why I smoke so many. But steady smoking doesn't bother me—Camels never get on my nerves!" (Signed) **JAMES J. CASEY, JR., '37**

"CHAMPIONSHIP GOLF puts a tremendous tax upon your energy. But I never mind. I know I can always restore my energy quickly with a Camel. For you get a delightful 'lift' with a Camel." (Signed) **HELEN HICKS**, Former Women's National Golf Champion

TURN YOUR DIAL TO the WABC-Columbia Coast-to-Coast Network for these famous Camel Caravan stars

WALTER O'KEEFE • ANNETTE HANSHAW
GLEN GRAY'S INIMITABLE CASA LOMA ORCHESTRA!

TUESDAY

10:00 p.m. E.S.T. 8:00 p.m. M.S.T.
9:00 p.m. C.S.T. 7:00 p.m. P.S.T.

THURSDAY

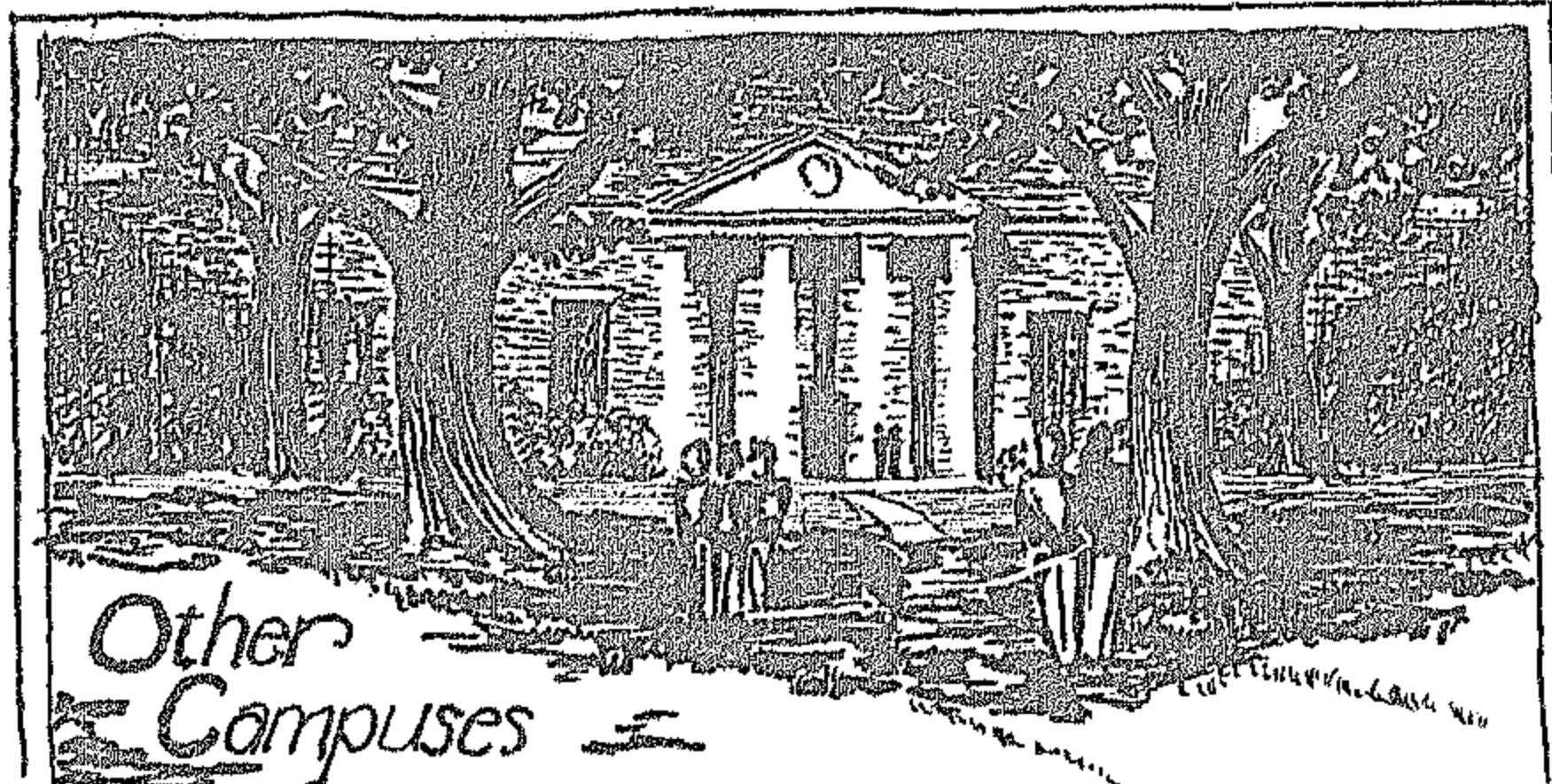
9:00 p.m. E.S.T. 9:30 p.m. M.S.T.
8:00 p.m. C.S.T. 8:30 p.m. P.S.T.



WALTER O'KEEFE



CAMEL'S COSTLIER TOBACCOES NEVER GET ON YOUR NERVES!



Dr. Beno Gutenberg, professor of geophysics at the California Institute of Technology, asserts that there are about 1,000,000 earthquakes a year, including 200 strong jolts and 10,000 slight ones.

Lecturer (giving a travel-talk on wild life in the north woods): For example, when the bull moose... Voice from the back row: I beg your pardon, Professor. The bull bellows; it's the cow that moos. Daily Illini.

The dean of the Columbia school of journalism probably is just a bit disappointed in Sigma Delta Chi, national journalistic fraternity. The dean spoke at a meeting of the group during its recent national convention at DePauw university. He deplored the tendency of Americans to forsake the serious things and turn to amusements such as radio, movies, and sports. He finished with great applause. The toastmaster then arose and announced, "I'm afraid, fellows, we will have to cut this meeting short in order to get to the football field for the Hanover game."

A professor at the University of Nebraska offered a double-deck sandwich as a reward to a student in his political science class who could name three ambassadors of the United States. The class pondered hungrily, but, according to the Daily Nebraskan, no one could take up the offer. The professor announced that only once in his past experience was the reward won.

At North Carolina State College a contest for the most popular teacher had to be held open for an additional week—the number of ballots cast was too small to be considered as representative!

A Michigan Daily poem: Why is it professors can wear purple ties, Haphazard haircuts, and coats the wrong size, Trousers too short, and color schemes vile, Yet flunk me in English because of my style?

A news note from the Associated Collegiate Press says that Christopher Morley, noted humorist, gave a smothered yelp of delight at a luncheon at the University of Minnesota the other day when a professor described the difference between a university and an insane asylum. "You have to show improvement to get out of the asylum," said the professor.

Exactly 135 of 283 Cornell university freshman women included in a recent survey have parents who are college graduates.

The senior class of Midland college at Fremont, Nebraska, elected a woman president for the first time in the 47 year history of the school.

Pledges of fraternities at the University of Iowa participate in a cross-country race every year. Keen competition exists among the fraternities for the first-place honor in the meet.

Dr. Walter Williams, president of the University of Missouri, founded the United State's first school of journalism at that institution.

Coeds at the University of Missouri who have signed a pledge not to eat more than fifteen cents' worth while out on a date, are finding themselves very popular.

If laid end to end, the total number of cigarettes smoked by Massachusetts Institute of Technology students in one year would reach from Boston to Atlantic City.

The human eye responds to flashes of light lasting only 1-100,000th to 1-10,000th of second, according to Dr. J. W. Beams, professor of physics at the University of Virginia.

More than \$100,000 a year is paid by the University of Pittsburgh as the annual tax on its stadium.

A five-day school week with no Saturday classes is being petitioned for by University of Georgia undergraduates.

The Harvard university graduate school of business administration has opened a course which is designed to train students for "brain trust" careers.

Reform has struck the University of Kansas—at least it has smitten those coeds living in corridor two of Corbin hall, women's dormitory. Hereafter "cussing" will cost hard money. The girls decided that their tendency to use "strong language" must be curbed and posted a list of "swear" rates over the corridor telephone. "Damn, hell, and the devil cost the girls one cent each; Judas Priest, God, or variations, five cents each and anything stronger than that, ten cents each." The first five days netted \$1.67 in the payoff box.

It is said that the University of Wisconsin regent who most bitterly opposed the admission of coeds to that institution, now has a women's dormitory named after him — Barnard Hall.

The chimes in Beaumont Tower are rung only in celebration of a Michigan State college athletic victory.

Architects Follow Many Occupations

Earl H. Reed, director of the architectural department at Armour, wrote one of the main articles in the February 2 issue of "Real Estate." His article is entitled "The Architect's Place in PHA."

Professor Reed compliments the adaptability of architects to other occupations in the face of adverse conditions in the building industry. In spite of the intractableness of the field of architecture, the student enrollment has not diminished greatly.

Archs Are Adaptable Most architects have been forced to give up centrally located offices, and hope to survive the discouraging scarcity of jobs which need architectural knowledge as best they can with offices in their own homes. A survey of what architects are doing now shows that many are teaching freehand and mechanical drawing, and other subjects which their training enables them to teach. Other occupations which architects are following now are: painting, writing, translating foreign works, designing ingenious models, and study of methods of housing.

CWA, PWA Provide Jobs Federal aid has come to architects in several instances. The Historic American Building Survey, a CWA project, put many architects to work drawing pioneer homes all over the United States for a Library of Congress collection. Some architects have been engaged on commissions to make plans for reconditioning small homes in connection with the Home Owner's Loan Corporation. The work in this case has been to contribute serviceableness rather than beautification. Slum Clearance by the PWA has prepared the way for construction work in Chicago. Also, the architect should, Professor Reed believes, provide technical advice and superintend the work provided by the National Housing Act.

Fraternity Notes

BETA PSI

Beta Chapter of Beta Psi takes great pleasure in announcing the formal initiation of the following men:

- William N. Setterberg.
John J. Doudera, '36.
Albert Engelsehall, '38.
David Ward James, '38.
Frederick H. Jost, '37.
Harry F. Perlet, Jr., '38.
Robert Saville, '38.
Thomas Speer, '38.
Thomas Watts, '38.

Hell Week, which preceded the initiation, was virtually enjoyed by all the pledges. Harry Perlet has been seen around school with a beard and mustachio almost equaling that of the versatile Architects.

Dean B. Snapp, '34, F.P.E. was present to witness the formal initiation. Dean is employed by the Indiana Inspection Bureau, South Bend.

THETA XI

The smoker held at the house last Friday night appeared to be a huge success. The entire chapter as well as several alumni guests were present. Brother Harold C. Davison, executive secretary of the Grand Lodge, who is spending the week-end in town, was at the smoker. It was his first visit to the new quarters. Bridge, pinocle and reminiscences of old times filled the evening to completion.

Alpha Gamma of Theta Xi takes great pleasure in announcing the pledging of Verner A. Hedlund, E. E. '35.

TRIANGLE

Our ping-pong match with the Delts has been postponed until a later date, as a man on each team is ill and unable to play.

Brother Spencer is back in town. He attended the active meeting.

Brother Stevenson of Cincinnati is visiting at the house for a few days.

RHO DELTA RHO

Our new house at 3333 So. Michigan Avenue is now being decorated and furnished. Everyone is looking forward to a gala house warming party to be held in the near future.

Our ping-pong team is practicing diligently and looking forward to its second interfraternity match. The first match was won by a forfeit.

KAPPA DELTA EPSILON

Following a hellish Hell Week, the following men were taken into the fold of the active chapter:

- Martin L. Holland, '37.
Joseph Mashman, '38.
David Baker, '38.

At the close of the initiation ceremonies, a midnight buffet was staged, much to the enjoyment of the assembled alumni.

The chapter takes pleasure in announcing the pledging of Leo Fattelton, '38 and Bernard Juschinsky, '38. After the foot pounds of energy had been put to use by the initiates, the house was in tip top order and preparations for a hectic social season are under way.

ENTRIES MOUNT AS TIME DRAWS NEAR FOR TECH RELAYS

The greatest athletic meet in the history of Armour is now only eleven days away. The Tech relays are an annual event but this year's meet promises to be bigger and better than any of the six previous. More schools are participating than ever before, among them a large number that are well-known in the sports world. Already more than half of those asked to come have signed up saying they will bring their best.

Extra Bleachers Made

Judging from the large number of people who had to stand last year it will be well for those who expect to sit through this year's games to come early. Extra bleachers are being erected but even they will probably not be enough. Students may use their passes for entrance and can get extra tickets here at school for forty cents. Tickets at the gate, however, will be seventy-five cents no matter whom you are. Members of the faculty are to have a ticket a piece doled out to them but will have to buy extras for the wife and kiddies.

The list of officials for the meet contains a large number of men famous in the sports world. Dr. Monilaw will be starter and Major John Griffith will act as referee. As announcer the meet is to have Ted Canty, sports veteran, and Armour's own John J. Schommer will be head judge at the finish line. Clerk of the field and clerk of the course are to be the positions of Harry Freida and Norman Root, respectively.

Outstanding Men to Perform

Some two hundred or more athletes will display their prowess at this extraordinary meet, among them some of the country's outstanding runners, hurdlers, high-jump, and vault men, not to mention the shot-put and other events.

Plan to be on hand at this momentous spectacle—Armour is the host. It is up to us to turn out in full to welcome the men from other schools. Not only is it a duty, but it will be an evening of entertainment that will not be forgotten in the years to come.

Tech Wrestlers Win From Maroons, 18-13

In a return meet, held at the University of Chicago Saturday, February 23, the Tech matmen again defeated the Maroon wrestlers. The 18-13 score exceeded the 26-23 defeat handed the Chicago team earlier in the season.

Capt. Schmidt, Gene Kreml and Ray Peterson won by falls, while Herm Sumner added to the point total with a decision.

Jim Dunne, following Hella and McDaniel in unsuccessful bouts; gave the home team number three in the surprise bout of the evening. After 38 seconds of wrestling he fell into the wrong end of a freak body lock



What would the Tech cagers, so successful in the season just closed, have done in a schedule-full of Big Ten competition?

Sort of a hypothetical question, but one all patriotic Armour men like to consider.

All those that saw the Chicago game were satisfied that Armour was the class that Saturday night—but of course Haarlow was not in the game. Kind of cramps any discussion, but anybody knows that had the team been pushed they would have extended themselves to a bigger score—and that still the leading one.

However, DePauw, from the good old basketball' state of Indiana, dropped in on us one Friday and took a 37-31 beating for their troubles. And this same bunch of De Pauw Tigers went up to Madison, where the Wisconsin team really had to fight for a 28-27 victory on Saturday.

This same bunch of Badgers has been in and out of the Big Ten lead for the last few weeks and hopes to finish in the number one position!

Now if Armour can lick DePauw, DePauw equal Wisconsin, and Wisconsin lead the conference, where would we be? And we did beat Chicago—and we have a high scorer to equal Haarlow any day, so he doesn't influence the results.

Gene Heike (who, by the way, does not er—flunk out periodically) is the blonde deadeye deserving the above mention. His 182 points almost double those of Capt. Al Lauchiskis, in second place with 102. Gene look similar honors last year and certainly deserves any little cups Armour passes to its notables.

Just in the same line of chatter, it has been customary for Armour to at least split the two game pre-season baseball series with both Northwestern and Chicago. We are good in more ways than one!

and Kessel of Chicago was pretty lucky.

- Summaries:
1:15 lb.—Coalson (C) pinned Hella (A.), time; 4:40.
125 lb.—Ford (C) beat McDaniel (A), advantage; 4:00.
135 lb.—Kessel (C) pinned Dunne (A), time; 0:38.
145 lb.—Schmidt (A) pinned Hughes (C), time; 6:19.
155 lb.—Kreml (A) pinned Jacobson (C), time; 4:50.
165 lb.—Sumner (A) beat Giles (C), advantage; 5:50.
Heavyweight—Peterson (A) pinned Thomas (C), time; 6:45.

Wheaton Wrestlers Defeat Armour 21-11

A strong Wheaton team set the present standing of the Tech wrestlers at five wins and four losses last Wednesday when the rural boys took home a 21-11 victory. The fact that the score didn't equal an earlier 30-10 defeat might appease the team.

The 115, 125 and 135 lb. bouts went to Wheaton ere Bob Schmidt rode in on a 1:52 advantage in his class. He had previously pinned Peterman, his opponent, in 39 seconds, so his feat was only due.

Sumner did everything but pin Rymer,—he would have done this had he not slipped from his "stretcher." He won easily with a 7:18 advantage. He followed Schuman, who lost a very close bout, and preceded Bergquist who fared no better. Ray Peterson brought the meet to a snappy close with the usual colorful wind-up. He pinned his man in 59 seconds with a body lock.

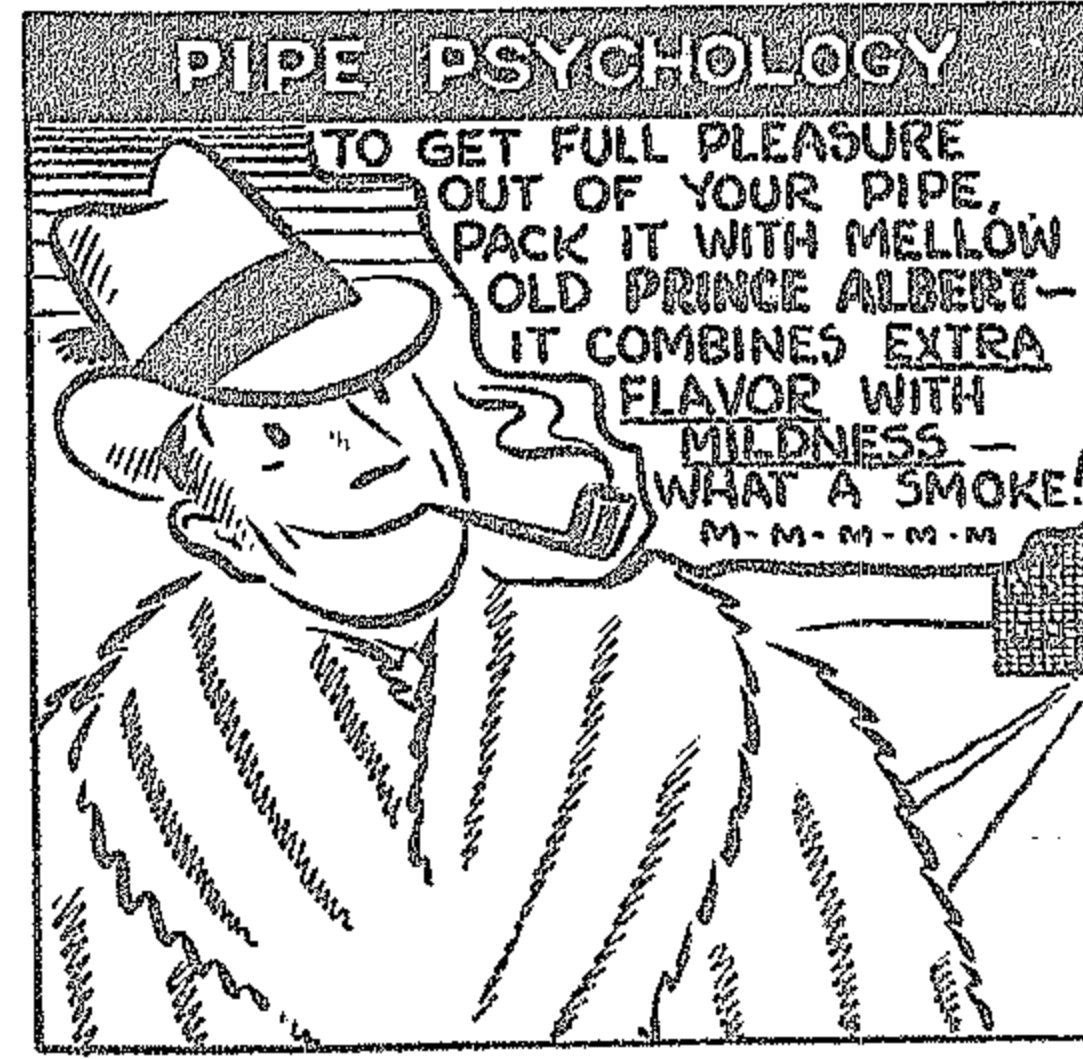
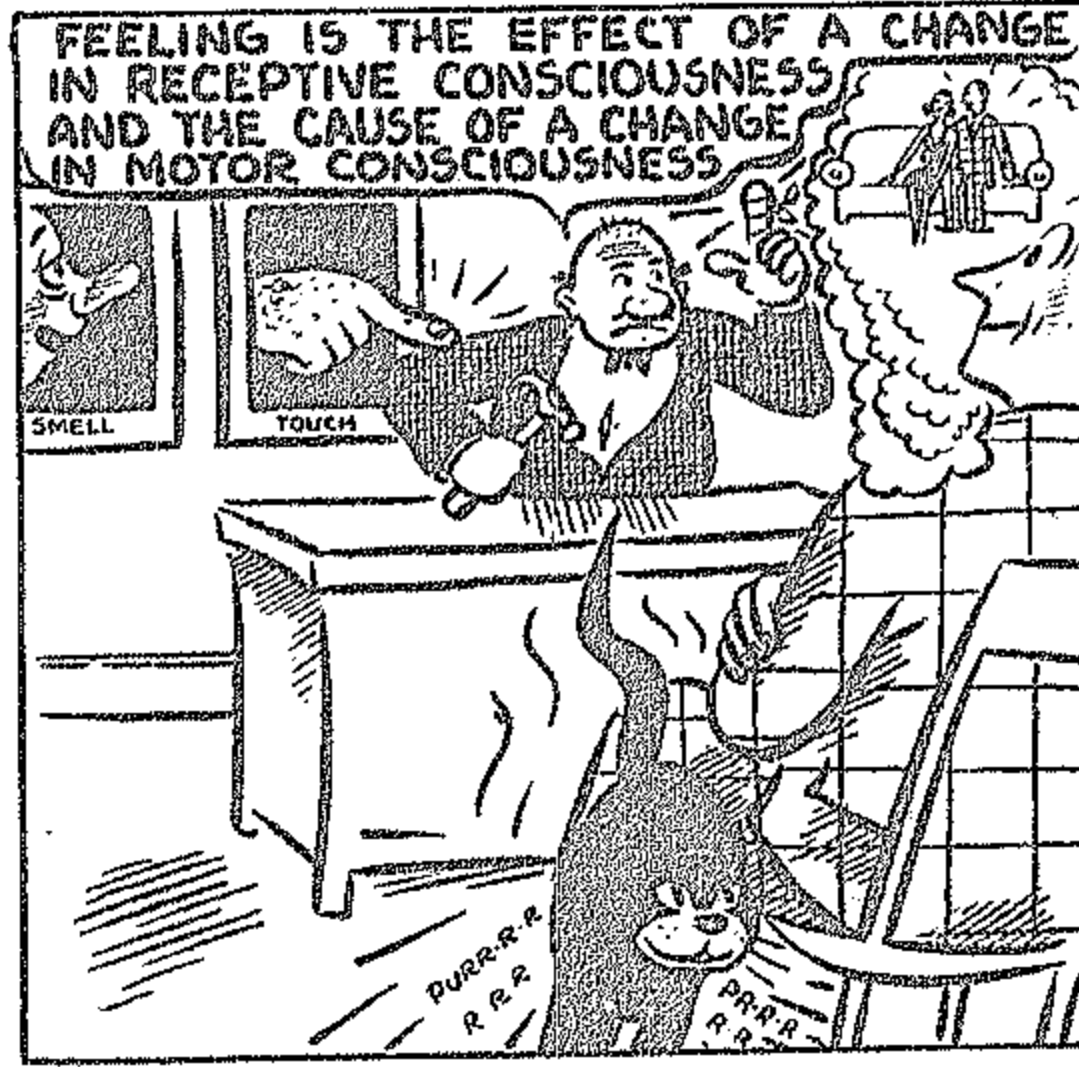
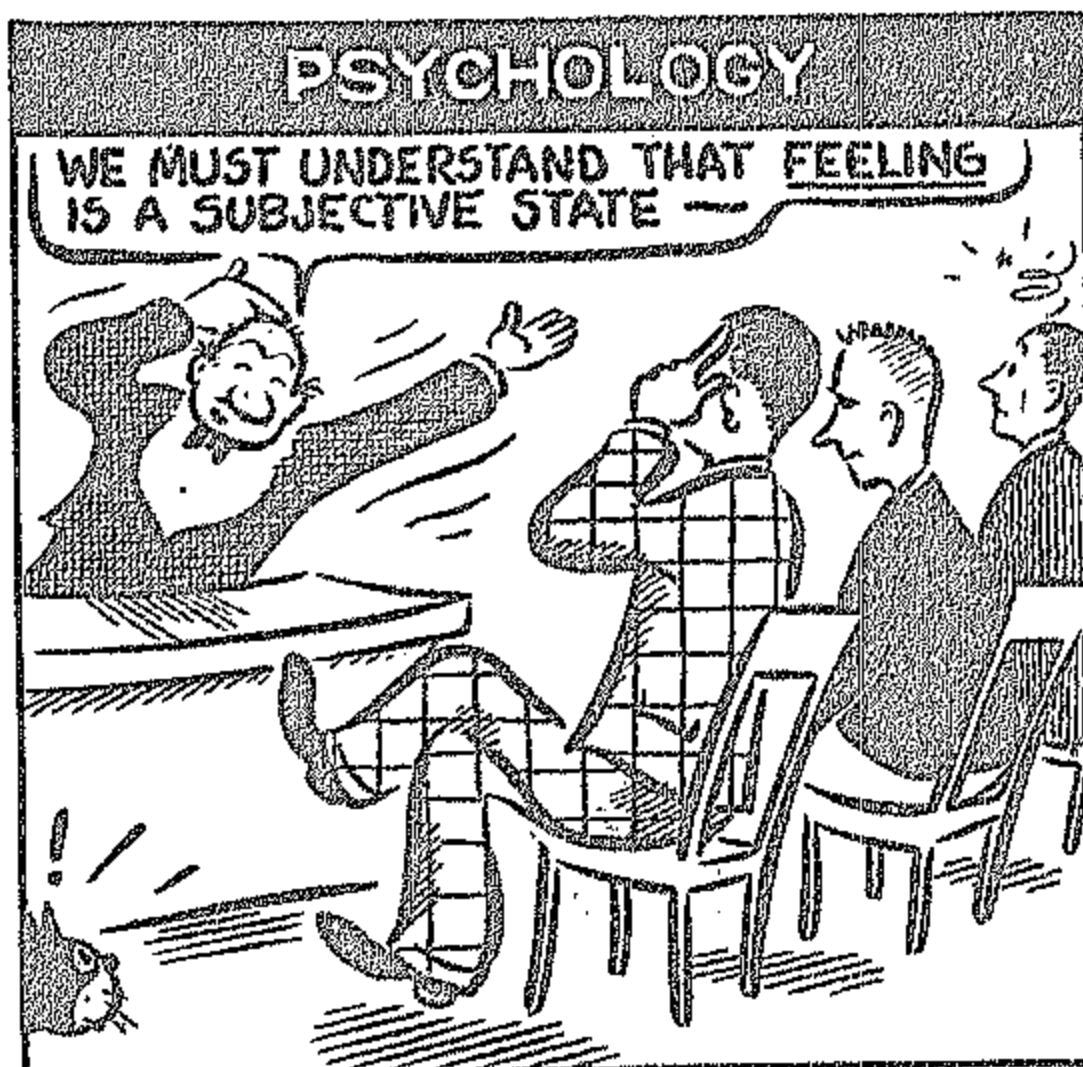
Tankmen Lose Meet to South Siders 40-35

In an attempt to make a good showing before embarking on their road trip, the Tech tankers were defeated by South Side Junior College on Wednesday, Feb. 27, before a record crowd of 200 spectators, assembled in the gallery of the South Side pool. The final score of 40-35 was determined by the proficiency of the South Siders in the free style events where they garnered three firsts, two seconds, and one third.

Armour's strong relay team, composed of Ahern, Moore, Ruckberg, and Tallafuss, sprinted to an easy victory in the 180 yard event, and this win was followed by a first and a second in the 100 yard breast-stroke event. However, Armour was able to obtain only one additional first place throughout the remaining events of the meet, although Johnny Ahern lost the fancy diving honors by only a fraction of a point.

Summaries

- 180 yd. relay — Won by Armour (Ahern, Moore, Ruckberg, and Tallafuss). Time, 1:25.4.
100 yd. breast—Won by Knaus (A.); second, Stehman (A.); third, Dahlen (S. S.). Time, 1:20.
40 yd. freestyle — Won by Andalmann (S. S.); second, Moore (A.); third, Peterson (S. S.). Time, :21.9.
220 yd. freestyle—Won by Ryan (S. S.); second, Body (S. S.); third, Duerstein (A.). Time, 2:58.
100 yd. backstroke—Won by Van Alystune (S. S.); second, Bernstein (A.); third, Knaus (A.) Time, 1:19.8.
100 yd. freestyle—Won by Ewing
Fancy Diving—Won by Ewing (S. S.); second, Ahern (A.); third, Lyford (A.).
S. S.); tie for second, Ahern (A) and Peterson (S. S.). Time, 1:05.5.
180 yd. medley—Won by Armour. Time, 1:55.



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TECH QUINT ENDS SUCCESSFUL YEAR WITH ELEVEN WINS

Season Started Like a
Lion; Ended Like
a Lamb

HEIKE IS HIGH SCORER

In the summarizing of the hectic seasonal activities of the Armour basketballers (now returned to a life of indolence) one must say that never before had a Tech team bested such a difficult schedule with as much success.

With the added inspiration of the newly acquired Armory floor, the Techawks started the season by defeating the South Side Junior College. The game was doubtful during the first half due to the opposition's defense, but the Tech team staged a winning rally to net twelve baskets with Merz and Heike leading the scoring. George Williams college was Tech's second victim, the evident weakness of the opponents leading to sure victory.

In the annual Chicago tilt the Techmen maintained the lead throughout the entire game to hand their Big Ten foes a crushing defeat, 34-27. The Armour team was easily superior in floor play and had a small height advantage. The Tech defense played an important part in the victory, and guarding by Dollenmaier and Warner stood to Tech's advantage. Armour's winning streak was furthered in a breathless encounter with Wheaton when the Techawks won by the narrow margin of 32-30.

Lake Forest Gives First Defeat

After being defeated for the first time in the six starts of the season by the Lake Forest cagers, Armour jumped back at the suburbanites in a return game to win by a 41-33 score. In these two games Captain Lauchiskis, back in the lineup after a leg injury, went on a private scoring spree which helped boost the Tech average. In the first Michigan Normal tilt the play started slowly with Armour doing the playing. The second half brought a rally by Normal but the effort was effectively squelched by Tech passing.

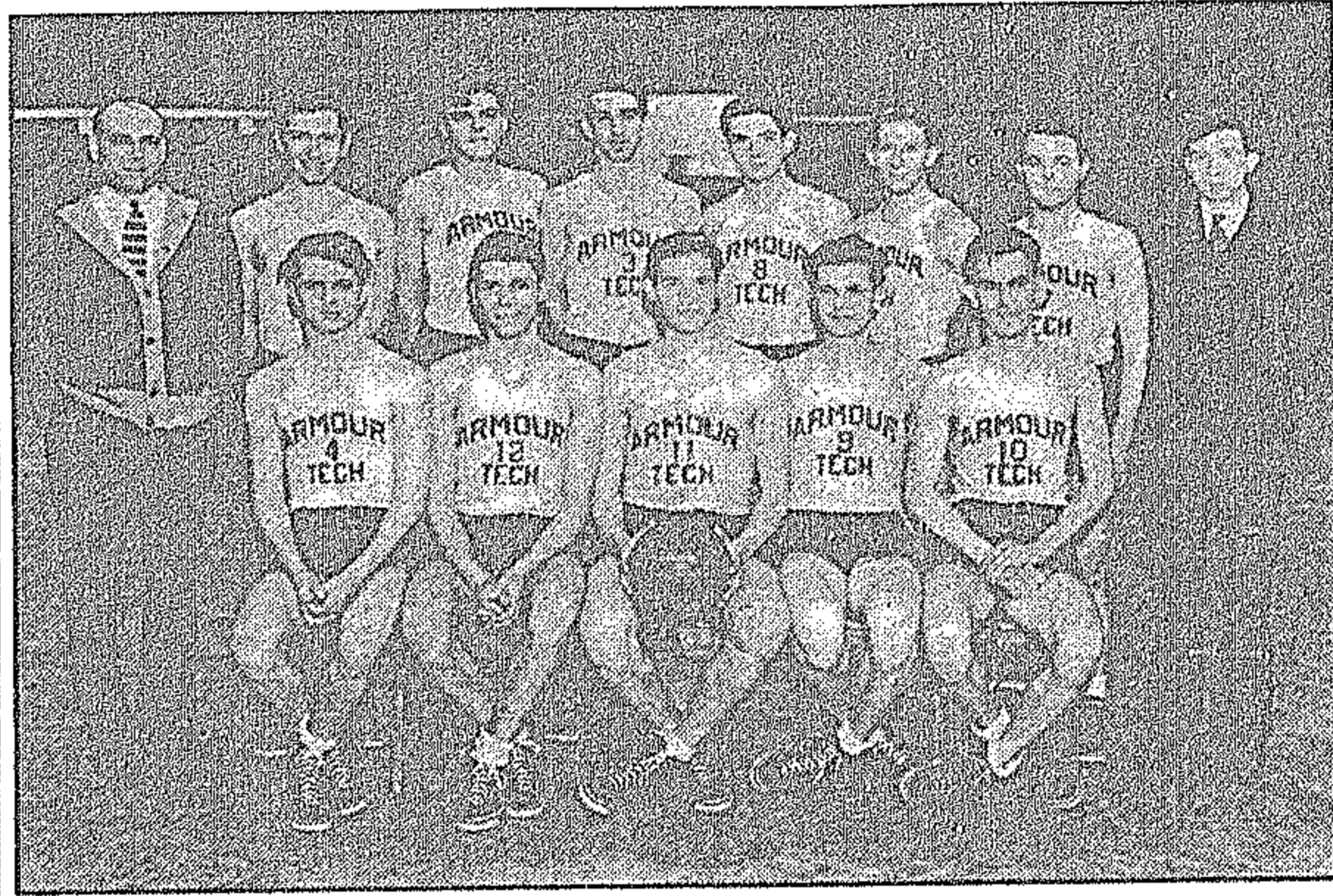
The first great challenge of the season came in the form of the North Central "bogey." This team has not sustained a defeat at the hands of the Techawks in six years. With Armour's chances better than ever, the Tech five led the Demons at the half, but fell victims to the jinx. North Central regained their lost ground by splendid offensive play and clinched the game with a 28-22 score.

Undaunted by this defeat, the Techmen made their week-end Michigan tour and gained two more victories to swell the tally to eight wins and two losses. This feat was quite remarkable considering the unproductiveness of the trip during the past three years. The Wayne University five was practically smothered by the Techawks, but the Michigan Normal victory was a hard-fought battle, with the Ypsilanti team feeling the advantage of their home floor.

Heike Chief Scorer

Although hampered by the superior height and basket shooting ability of De Pauw, the Techmen chalked up another win after a close tilt when Heike led the scoring attack with eight baskets. The point-gaining sophomore again showed his skill in the return game with Wayne U. when the Techawks gained another victory by the close score of 33-32. The Wheaton tilt was another of the colorful games which helped boost the Tech team in their winning streak. The cautious playing of the first period gave way to a wild scoring spree when Tech held the opponents to a final tally of 36-34 with difficulty.

Smarting under a previous loss, De Pauw retaliated by handing Armour its third defeat of the season. Seeming to follow the example, Indiana State Teacher's strong team beat the Tech quintet on the tutor's floor and repeated the performance at the Wentworth Armory in the most exciting game of the season. In the final tilt, the Armour five outplayed a taller Teacher's five in what was the season's classic. After leading at the half, Armour fought valiantly to stem the Indiana points, but the Teacher's battered their way to the tall end of a 48-43 score.



Left to Right — Front: Dollenmaier Merz, Lauchiskis, Heike, Warner, Krafft, Levy, Brown, O'Brien, Doane, Christoph, O'Connell, Humiston. Rear: Kraft, Levy, Brown, O'Brien, Doane, Christoph, O'Connell, Humiston.

INDIVIDUAL RECORDS					
	Games	Baskets	F.T.	Total	P.F.
Armour	16	213	132	568	194
Opposition	16	202	122	526	196
Heike	16	70	42	182	24
Lauchiskis	15	39	24	102	32
Merz	16	33	19	85	33
Warner	16	29	17	75	41
Dollenmaier	16	19	20	58	28
Christoph	12	19	4	42	15
O'Brien	14	9	5	23	9
O'Connell	5	0	1	1	3
Levy	11	0	0	0	6

TEAM RECORD					
Armour 38	South Side Jr.	26			
Armour 46	George Williams	27			
Armour 34	Chicago	27			
Armour 32	Wheaton	30			
Lake Forest 36	Armour	31			
Armour 41	Lake Forest	33			
Armour 33	Michigan Normal	25			
North Central 28	Armour	22			
Armour 43	Wayne	21			
Armour 38	Michigan Normal	36			
Armour 37	De Pauw	31			
Armour 33	Wayne	32			
Armour 36	Wheaton	34			
De Pauw 37	Armour	24			
Indiana State 55	Armour	37			
Indiana State 48	Armour	43			

ARMOUR FENCERS DEFEATED BY THE EDGEWATER CLUB

Last Wednesday night the Fencing Team held its first official meet with the Edgewater Fencing Club. The conclusion of the match showed Armour at the short end of a 118-89 score. Z. Trzyna and G. A. Quandee were high point men, scoring 41 out of their 50 possible points. K. Trzyna, E. Krok, and W. Emmerich also fenced, but with less success.

The judging was done by members of both teams, and was not too rigorous.

A meet scheduled with Michigan State College a week from last Saturday, failed to materialize when their squad failed to arrive. However, Coach Fischer induced three members of the Northwestern Fencing Club, judges, to participate in a social bout, in which George Quandee stole the show.

Meet Scheduled

A tentative official foils match with the Wright Junior College has been scheduled for Wednesday, March 13. This match will be held at four o'clock in the Armour gym.

Four new members have been admitted to the Fencing Club. One of these knows the use of the epee, or dueling sword. Positions are still open for students who understand the use of the epee, or saber. Instruction is also given to beginners in all weapons: foil, epee, and saber, every Friday at 10:30.

Armour vs. Edgewater Fencing Club:

Armour	Edgewater
Z. Trzyna 24	G. Ropp 25
G. A. Quandee 20	G. Williams 24
K. Trzyna 17	A. Todd 23
E. Krok 15	J. Linkins 23
W. Emmerich 13	R. Walters 18
Total 89	Total 118

Tech Swimmers Beaten by DePauw

De Pauw's tankmen treated the visiting Tech team to a 43 to 39 defeat in a swimming meet at Greencastle last Friday. The Armour team failed in the backstroke and long distance free style swims which overshadowed their efforts made in the other events.

Moore, Rueckberg, Duerrstein, and Ahern formed the combination that opened the meet with a win in the 400 yard relay. Prospects continued agreeable when "Champ" Knaus breast-stroked to a win to add to the advantage. This came to a short end when Stan Bernstein missed the turn and was disqualified, thereby losing a sure second place in his event, the 150 yard backstroke.

DePauw Wins Sprints

In the sprints, both the 60 and 100 yard events, DePauw's ace free styler, Kedrousky, came in first while second and third places in these events went to the Techmen. Ahern, Moore, and Rueckberg made good showings as did Rog Knaus when he freestyled to a third place in the 60 yard sprint.

The longer events were taken care of by the De Pauw natators, although Rueckberg cashed in for a second in the 220 and Duerrstein completed the required 440 for a third place. In these two events the enemy gained 11 points on the slipping Techmen.

No De Pauw Divers

De Pauw did not have a diver to enter so first and second places went to Cap Ahern and Bob Lyford. Misfortune confronted the two divers in their preliminary acrobatics when Lyford hit the bottom with his head and John Ahern slipped on the board. Neither accident proved to be serious; both men competing in the diving events.

Bernstein, Knaus, and Moore came

through in the medley to win from the De Pauw team. "Turnover" Bernstein had trouble at one of the turns but outclassed the other backstroke to add to the winning margin in this event.

Wally Tallafuss made the trip but was ill and did not compete. He will be in shape for the meet with Wright Junior College this afternoon at Wright.

SUMMARY

400 Yd. Relay—Won by Armour (Ahern, Moore, Rueckberg, Duerrstein); second De Pauw (Lumby, Wheeler, Hickok, Hendrick). Time, 4:27.5.

200 Yd. Breast Stroke—Won by Knaus (A.); second, Zimmerman (D.); third, Rolfe (D.). Time, 2:52.

150 Yd. Backstroke—Won by Hendrick (D.); second, Freeman (D.); Bernstein (A.) was disqualified. Time, 2:06.

60 Yd. Free Style—Won by Kedrousky (D.); second, Moore (A.); third, Knaus (A.). Time, :32.8.

440 Yd. Free Style—Won by Smith (D.); second, Foote (D.); third, Duerrstein (A.). Time, 6:58.2.

100 Yd. Free Style—Won by Kedrousky (D.); second, Ahern (A.); third, Rueckberg (A.). Time, 1:01.2.

Fancy Diving—Won by Ahern (A.); second, Lyford (A.). (No De Pauw entry).

220 Yd. Free Style—Won by Hendrick (D.); second, Rueckberg (A.); third, Hickok (D.). Time, 2:45.2.

300 Yd. Medley Relay—Won by Armour (Bernstein, Knaus, Moore); second, De Pauw (Hendrick, Zimmerman, Kedrousky). Time, 3:40.8.

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