



## SIDELINES

By Sydney M. Miner  
 BENEFITS TO be derived by either contestant in a labor dispute have long been a controversial question. However, from the standpoint of the average citizen, there can be no doubt that any form of action such as accompanies every labor strike can only prove to be a detriment to the general welfare.

THE NEW YORK Building Workers Strike forms no exception to the rule; but it has at least served to bring to light one of the most disgusting and gruesome practices attendant upon every major labor difficulty:—Strike-breakers Incorporated.

THE BLAME for these organizations cannot be laid upon either side alone. Certainly it is in part due to the corruption rampant in almost every labor union. And just as positively, it is due to the "bull-headed" type of employer, who would rather spend a hundred dollars a day for protection during a strike, than submit to a wage increase of two dollars. As an outcome of these two faults, have come such notorious organizations as that headed by Pearl L. Bergoff.

MR. PEARL BERGOFF has set about to capitalize on the inherent feud between labor and capital, and while he has violated all the laws of good business methods, he has succeeded in setting up an organization which for the past few years has remained intact and earned for him a lavish livelihood. While he is not, at the present, the largest of the operators, he is probably the most well known, going under the nickname of the "Red Demon." His organization includes some of the most bloody and murderous thugs and mercenaries that you would care to meet. If the record of fatalities in nine major strikes, which Bergoff has tried to break, were reduced to box-score simplicity, it would read:

Strikebreakers killed by strikers, 6; strikers killed by strikebreakers, 17; men, women, and children killed by strikebreaker-driven cars, 21; strikebreakers killed at work, 3; bystanders killed by strikebreaker, 1; strikebreakers killed by strikebreakers in barracks, 4.

(Continued on page three)

### Chess Team Enters Collegiate Tourney

Armour's chess team will be a competitor in an inter-collegiate chess tourney which is to be held in Evanston on April 3, 4, and 5. The list of contestants will probably include the University of Chicago, the University of Cincinnati, Northwestern University, Purdue University, Wayne University of Detroit, and the University of Wisconsin.

After beating Northwestern's team recently, the Tech team is looking forward to meeting Chicago's team and Oak Park's team, besides meeting the schools listed above.

### F.P.E.S. Will Hold Smoker on Friday

Armour's student branch of the Fire Protection Engineering Society will hold a party and smoker next Friday evening, March 20, at the Lawson Y.M.C.A., Chicago Avenue and Dearborn Streets.

The party will be in the form of a Monte Carlo smoker. As in the past, the "Handbook of Fire Protection" will be presented to the sophomore member of the society with the highest scholastic average in the freshman year.

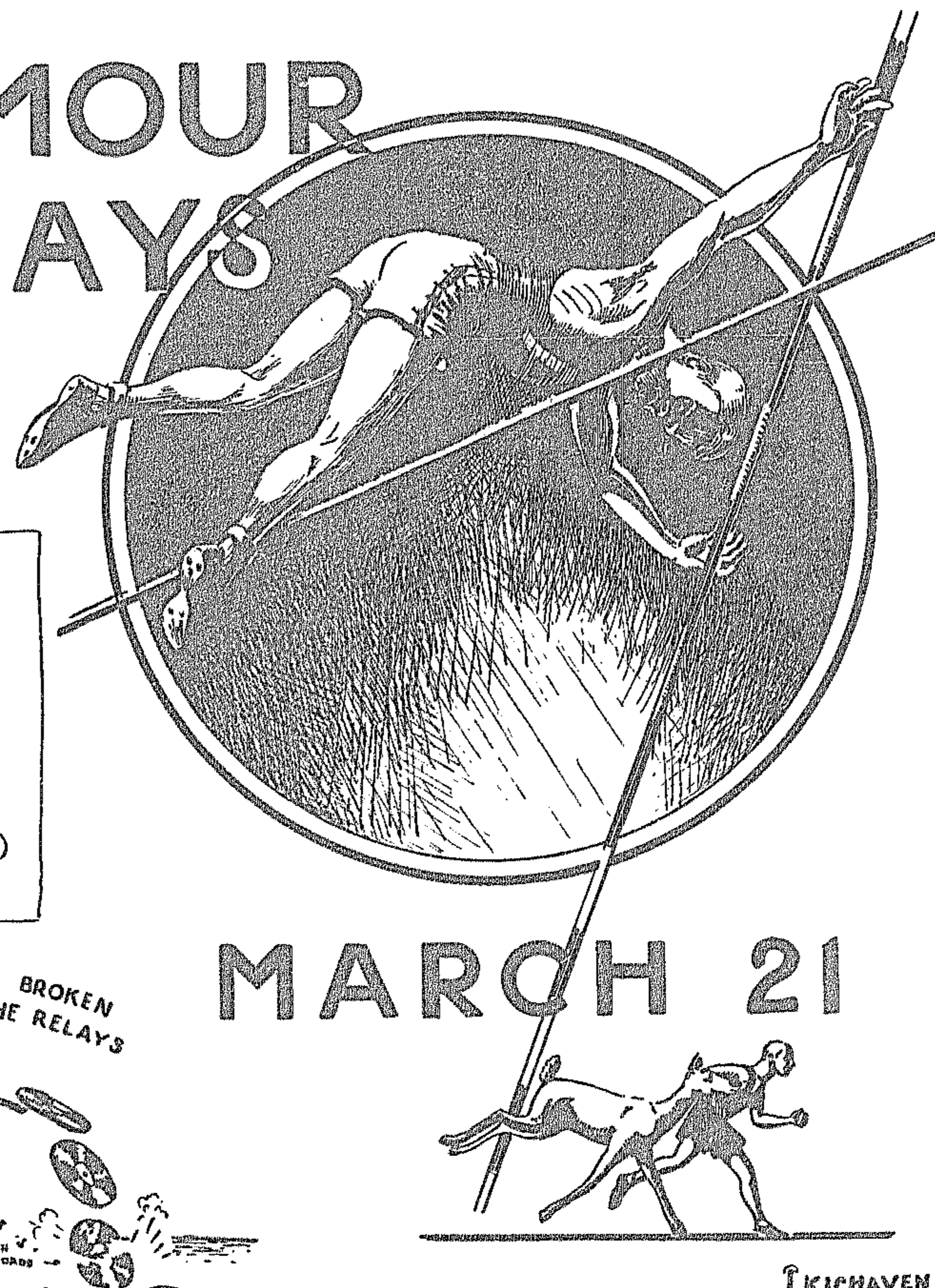
Besides the cards, chuck-aluck, and what have you, will be played. Shingles, having the recipient's name inscribed, will be presented to all sophomore members.

## ARMOUR RELAYS

U. of C. FIELD HOUSE



RECORDS WILL BE BROKEN AT THE RELAYS



J. KIEHAVEN

### New Device Discussed at Meeting of A.I.E.E.

At the meeting of the American Institute of Electrical Engineers last Friday, Mr. P. W. Woodworth, patent attorney, gave a lecture on "Electrical Devices Used to Detect Explosive Gases."

Mr. Woodworth, who for a time, was Dean of Engineering at Lewis Institute, spent most of his life as a consulting engineer.

The small device used for the detection of explosive gases, is generally carried on the belt connected to a storage cell carried on the back. The instrument consists of a small device which supports a fine platinum wire between a set of prongs. This wire, forms one branch of a Wheatstone bridge circuit and by varying the other resistance, that galvanometer reading is adjusted to zero. The gas is then passed over this platinum wire, and if slightly explosive, the temperature of the wire will increase.

(Continued on page five)

### Freshmen Take Quiz; To Be Annual Event

Last Tuesday about 250 freshmen were subjected to achievement tests by the institute in an effort to get a more valid impression of the men in the class. This information will be used in improving the courses at Armour.

Those subjects covered included reading, English, a questionnaire on studying habits. Although a few sticklers pertaining to math were included, no regular mathematics questions were asked because, after a semester of math, students have given sufficient demonstration of their ability. If the results of the study habits quiz show a need, it is probable that a course in study will be added to the curriculum of Armour. The result of these tests will not in any way affect the grades of the students.

This is the first year any intelligence or achievement tests have been given to freshmen at Armour. It is announced though, that they will be given to the entering students from now on. Instead of being given so late in the year they will be given during the first week of school in September; however, they will not be considered as entrance examinations.

### Electrical Honorary Pledges Five Juniors

Eta Kappa Nu, honorary electrical engineering fraternity, was the first honorary organization to pledge new men. At a meeting last Friday, the following juniors were pledged: E. H. Brink, A. Goldsmith, W. B. Graupner, R. G. Liebman, and P. Morrison. Last semester, twelve men were pledged by this organization—ten seniors and two juniors. Although Eta Kappa Nu offered to coach students in the electrical engineering departments last semester, no one has taken advantage of this offer as yet.

### H. Nachman to Head Senior Mech Alumnus

At a meeting of the senior mechanicals held last Wednesday morning, Harry S. Nachman was elected president and Robert Patterson, secretary. Further business consisted of the announcement of a committee to draw up a constitution for the organization. Those on the committee are: C. M. Christensen, R. Horwitz, and R. L. Smith. At the next meeting of the organization, a vote will be taken on the constitution as well as probable election of the officers.

Plans of the group call for a permanent organization meeting at least twice yearly, and probably once every year with the '35 mechanicals.

### G. Thodos Will Speak at Math Club Meet

"Practical and Ancient Analytical Geometry" will feature the Math Club meeting next Friday, March 20, at 10:30, in the Electrical Lecture Room.

George Thodos, a sophomore, will talk on this subject, which will include the trisection of an angle, and duplication of the cube. Of particular interest will be the fact that he is bringing out the methods that the ancient mathematicians used for the geometric solving of these problems.

Thodos, because of his interest in this type of work, has made a research in it. The talk should be one of the outstanding given to the club and should prove to be interesting to all, according to Sydney Miner, the Math Club president.

### Armour Socialites Enjoy Soph Cotillion

From their own hi-de-hi arrangements to novelty imitations of other bands, Eddie Woodward's orchestra sounded off the most successful dance yet held by the sophomores with their Cotillion last Friday. Having chosen the Lake Shore Athletic Club for its large ballroom, the social committee reported that the number of bids sold was sufficient for expenses to be nearly covered; although the dance floor was not crowded.

Starting the dance at 9:30 was approved by the students and faculty members present since it gave all the men enough time to get to the suburbs and still arrive in time. Another innovation, a door prize was well received; a Scotty (stuffed) went to Miss Leone Brens while the large box (also stuffed) satisfied George Goes. It seems that he won a rubber dolly.

### W.S.E. Is Planning to Revise Constitution

Impurities in water, one part in a billion, are enough to affect the taste of an average human being, according to Dr. A. M. Buswell, who presented an illustrated lecture on "Chemistry in Water Treatment" before a meeting of the W. S. E. last Friday.

The talk was a revelation of some surprising facts, such as sewage being 99.95% pure water, while containing only .05% impurities. Dr. Buswell said that water is the cheapest commodity to buy, but is least appreciated.

At the next meeting of the W.S.E. a vote will be taken on revising the present constitution, so as not to exclude anybody from membership. A two-thirds majority is required to change the constitution.

Officers of the organization are contemplating a splash party for the annual spring smoker, an option having been taken on the Lawson Y. M. C. A. The evening is to consist of swimming and card-playing. Refreshments will be served.

After the business details are completed, Mr. A. J. Rowe, city engineer, will talk on the bridges in the city of Chicago.

## TECH RELAY CARNIVAL IN EIGHTH ANNUAL RUNNING NEXT SATURDAY EVENING

Finals to be Run at 7:00 P. M. in U. of C. Fieldhouse; Relays Are Scene of Regional Olympic Tryouts

### KANSAS STATE MAY BREAK TWO MILE RECORD

In order to make it possible to include pictures and complete stories of the Armour Tech Relays, the next issue of the News will be out on Wednesday, March 25.

### Tau Beta Pi to Hold Pledging at Assembly

Tau Beta Pi, national honorary engineering fraternity, will hold its annual spring pledging at a public assembly within the next few weeks.

Sixteen seniors make up the active membership of the Armour chapter. Each year pledges are selected from the upper quarter of the senior class and from the upper eighth of the junior class. Men are selected who have coupled scholarship with diversified extra-curricular activities.

### Smoker Planned for Fraternities

Plans for a joint smoker and meeting as well as an en-masse turnout of fraternities for the annual Junior Week pageant were discussed at the meeting of the Inter-fraternity Council held last Friday.

The joint smoker will probably be held during the early part of May at the Interfraternity Club. Should this plan materialize, it will become the second joint affair of Armour fraternities. So as to insure complete cooperation in the annual pageant a suggestion has been made that each fraternity deposit a guarantee fee.

These matters will first be discussed by each fraternity, and then voted upon at the next meeting of the Inter-fraternity Council, probably within two weeks.

### Research Is Topic as A.I.Ch.E. Meet

Another talk in the series intended to aid the graduating chemical engineers in obtaining a position was presented to the Armour chapter of the A.I.Ch.E. last Friday morning. The speaker, Dr. K. M. Watson of the Research and Development staff of the Universal Oil Products Company, presented a discussion titled, "The Chemical Engineer in Research." Dr. Watson, formerly a professor of chemical engineering at the University of Wisconsin, is noted for his work in applied physical chemistry and industrial application of physical chemical principles.

In his talk, Dr. Watson outlined five things the Universal Oil Products Co. looks for when interviewing a prospective employee. First, they look for alertness and initiative; second, they determine whether the candidate can think through a problem to a logical conclusion; and third, they look for originality and inventiveness.

Next in importance is whether or not the person has a good knowledge of facts; that is, what was his scholastic record at college. Lastly, the personality of the candidate is considered. If two persons score the same on the first four points, the one with the more pleasing personality is chosen.

Describes Training School  
 Dr. Watson also described briefly the training school at the Universal Oil Products Co. where the new man is given a chance to develop himself. The first month of the training period of one year is spent in the analytical laboratory; the other eleven months are spent in learning the various operations of the plant.

This Saturday, March 21, brings once more, the long awaited Armour Tech Relays. They will be the eighth in a series of annual meets started by Professor Schommer, former coach A. A. Stagg, Jr., and a small group of students. Although the Butler Relays are to be held on the same day, the carnival will be the biggest and best ever staged by Armour. The fact that the Tech Relays have been designated as regional tryouts for the Olympic track and field teams to compete in Germany this summer, is an added attraction. College athletes from all the mid-west will be out at Chicago's big field house giving their best in an attempt to become eligible for the Olympic team.

### High Jump Record in Danger

The main meet is to be held in the evening, but because of the large number of entries, preliminaries in the 70 yd. dashes and high and low hurdles will be held in the afternoon. The big doings are scheduled to start at 7:00 o'clock with the high jump, shot put, and pole vault leading off. Last year's extravaganza saw both the pole vault and shot put records fall by the wayside and this year the high jump record is also endangered by Notre Dame's entry.

### Grieve and Herman in Dash

The dashes and relays will start at about 7:30 and the crowd will get its first taste of real excitement. The University two mile relay will be the event to watch for. Kansas State has entered a crack team which ran the two mile in 7:45.7 at the Kansas Relays and almost equaled this record at the Duke Relays a week later. This is the fastest collegiate time on record for 1935 and beats the Tech Relay record by 7½ seconds. In the dashes, the records are endangered by Bob Grieve, an entry from Illinois, who runs the 100 yard event in 9½ seconds, while Herman of Carleton, a former Oak Park High sprinter, will be back to defend his record set in the 70 yard dash two years ago. Carleton has also entered a pole vaulter who expects to break the existing record. Northwestern, Notre Dame, North Central, and Wisconsin are also entering men in the dashes. The quarter mile run, in both the college and university divisions.

(Continued on page five)

### A. M. Lane Is Chosen As A.S.M.E. Delegate

At a meeting held last Tuesday, A. M. Lane was elected delegate to the student convention of the A. S. M. E. which is to be held at the Allerton Club April 20 and 21. H. S. Nachman was chosen alternate delegate. As part of the program, in which the delegates of 19 engineering schools will participate, Lane will present a paper on "The Analytic Mechanics of Automatic Transmission Design", the subject upon which he spoke at the Tuesday meeting.

Members of the committee on by-laws and the officers of the student branch met last Friday afternoon and drafted the by-laws of the national society. An addition was made to allow for expansion into professional divisions. One of these is the aeronautics division which is expected to be in operation in the next two weeks. The entire set of by-laws will undergo only slight modifications before being presented for approval of the society at next regular meeting on Friday, March 27.

M. J. Loftus, chairman, W. Gartz, J. Housek, and P. A. Reh make up the by-laws committee. A. N. Schriber is to represent the newly formed aeronautics division.

### Armour Tech News

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### The Armour Relays

Probably the only time most members of the Armour student body see their track team in action is the night of the annual Armour Tech Relays. It is then that the loyal Techawks see their track team in the most glamorous setting, against some strong competition. There must be something about a night game which attracts the usually lethargic Armour student. Whether it's because he enjoys taking his best friend, or because he feels responsible as host to so many track luminaries, is rather hard to decipher.

The real thing for any loyal student is to feel not only responsible as a host but to support his own team and cheer it on to a repetition of last year's eventful race. Although the Butler Relays will attract some would-be Armour Relay participant, there is nothing to prevent this year's running from being even better than last year's. There will, eventually, come a day when all records are so high that they can't be broken; however, judging by the records made this year by some of the teams who have sent in entries to the Relay officials, that day is still far off.

In addition to the fine list of entries, there is an equally prominent list of officials who will start the races and judge the finish. Last year there were a number of close races and it was some job to correctly determine the winners.

Students should certainly need no urging to take their athletic passes and hie themselves out to University of Chicago Fieldhouse next Saturday before 7:00 P. M.

### More About Grades

We expected some enthusiasm for or against the article on grades published last week. Can it be everyone agrees with it and yet no one does anything about it? There should be some distinction between a brilliant student, a mediocre man and one who fails.

It seems easy to give an "A" to a man who gets all his homework done well and on time, who writes good quizzes and does a bang up final. It also seems easy to flunk a man who fails his quizzes and final even though he may have his homework done. Ordinarily that sort of person doesn't do his own homework anyway. The rub comes to the middle man who does some of his homework alone, gets various quiz grades and a medium final. The distinction between a B or a C to him does not mean much excepting flustered hopes once in a while. Those who advocate a system of failure or passing do not distinguish the person who works all the time from he who works part of the time.

The system at Armour is now rather haphazard. Some professors grade the student according to what they think he deserves; others grade on an average of the class. The thing the students kick mostly about is that too much emphasis is placed on the quiz and the final. This lamentable fact, however, is probably the outcome of experience. Since there are so many things to do each night; the average student cannot possibly do it himself and usually resorts to copying some part of it. Other students copy more than necessary and they don't deserve credit for such work. Probably the only way this shows up is on his exams. After all a grade is merely the instructor's valuation of the student's knowledge of the subject. If the student rates himself higher, he at least has the satisfaction of knowing what he's worth.

### WITH OTHER EDITORS

### Your Greatest Problem

You sometimes pause in the midst of your day's work and contemplate your greatest problem. At least, you should. People who just plug along from hour to hour, never analyzing themselves or their situation, are like a business man who never takes stock. The crash may come at any minute.

We sometimes stand so near to our work that we cannot see it in its true proportions. Perspective is needed. Back off a little ways and look at your work as it might appear to an outsider. You will see the workings of your job to much better advantage, and find ways in which to make your efforts more effective. Just the simple question to yourself, "What is my greatest problem?" helps to focus attention and discover how many of the lesser anxieties cluster around the main muddle.

The next time things seems particularly complicated, just stop and take a half hour off; then think out your line of procedure. Check up on what you are doing, and what you ought to be doing in the given situation.

You will find it not so hard to do some of the small tasks, and make some of the minor readjustments which through haste or over-anxiety you have neglected. In fact, you'll find yourself wondering how you could have been so blind.—U. O. D.—Clarkson Integrator.

### Shall We Be Taken In?

Galsworthy has made the statement: "Our fate is in the hands of three great powers: science, finance and the press. These are secretly determining the march of the nation; there is little hope for the future unless they can mellow and develop on international lines."

Let that challenge your thinking! Is it true that public opinion is no longer established by people as a mass, but by outstanding leaders of science, finance and the press?

The world has been building for war for five years—are we going to be tied up too much with our school work to swing public sentiment against war? Do we recognize war propaganda when we hear it? If we cannot identify it we will be swept into the maelstrom before we know it.

"Public opinion travels on the tongues of gossip and is greatly exaggerated by professional tale-bearers. It is not precise; it muddles, distorts and contradicts; it provokes people to violent rage and whimsical performances." One psychologist declares that propaganda is most dangerous when it is secret, for it hoodwinks the people. We haven't forgotten the terrible secret propaganda of the World War. It was one black nightmare.

Then why not turn the tables on those warlord forces? Suppose all the ministers and their congregations, the college professors and colleges would try secret propaganda in swinging public opinion against war; there would be one mighty force like the Crusaders of old—a force that would girdle the earth in diameter—a power that would knock war into hell. We would have the war dragon slain before he came out of his den—Slay him like "Sigurd" did "Fafner" in "Siegfried."

Or shall we be duped into another World War, where every kind of vice prevails; destruction of humanity, morals, civilization and art that has taken centuries to build—swallow this horrible evil hook, line and sinker?

No, let us not do that. Pasteur believed that science and peace would triumph over ignorance and war, and nations would combine not to destroy, but to build up.

Shall we make this dream come true? He asked to live six months longer to finish his work. How long will we be in finishing ours? Shall our lives have been in vain?—Miami Hurricane.

### STUDENT OPINION

#### LIKES KALEIDOSCOPE

In response to your request for opinions on your new column, I wish to tell you I think it's rather novel and just what the paper needs. As a start I think you have done a fine job, and let's hope you keep up the fine work. This new column shows that we're moving forward, as anyone can always turn out the same old stuff year after year, but to hew paths which are new and different besides being good; well, it's something! I wish you all the best luck, and to show I'm with you, I'm sending in a poem, and let's hope it meets with your approval!

Bert Greisbach, M.E. '38.

### The Slipstick

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

#### Insomnia Cure

I found that I could never sleep,  
No, not a single wink.  
Until the morning starts to dawn,  
And the 'larm-clock starts to ring.  
After the clock had done its trick,  
I quickly went to sleep.  
And mind you now, this feat was done  
Without my counting sheep.  
Now, every night my slumber's deep  
'Cause my method is right.  
My 'larm-clock rings at bed-time, and  
I'm dead to the world all night.

Referee: Here, here! No fighting on the foot-ball field.

Defensive Player: Did you hear what he said?

Quarterback: I only called the signal.

Defensive Player: Signal hell, that was my girl's phone number.

Zazu, who can now swim with only one water-wing is seriously considering trying out for the swimming team. It's hereditary. His old man was killed in a dive and his brother is a soak.

Complete Cross-Word Puzzlers Dictionary (Unabridged)

Sardonic: Being a lover of sardines.

Salaam: A Persian liver-wurst.

Bismuth: A great German Prime Minister.

Coitre: A steel beam used in structural work.

Carbon: Place where street cars are kept.

Cinema: A kind of spice used on a bun.

Wart: A unit of power.

Sorcere: A small dish for holding a teacup.

Aspirin: A Russian monk known for his evil way.

"What happened to your hands? They're all bandaged up."  
"Yesterday night when I was going home some crazy drunk walked all over my hands."

Student: I'll bet you a kiss that I can steal one from you.

The girl-friend: And I'll bet you two that you can't.

Student: All right, you win.

"Can I touch you for five dollars?"  
"For five dollars you can sock me on the jaw!"

An agricultural exchange offers some advice on "How to Tell a Bad Egg." Didn't read the article, but our advice would be: If you have anything important to tell a bad egg, why break it gently.

(You can also use them in the Frosh-Soph rush.)

Here's a note to (so-called) students in General Chemistry lecture (via our '39 stooge):

Go ahead and sleep. A. C. C. N. Y. (hah, you figure that out yourself) professor of philosophy is quoted as saying that those who sleep in class learn more. Which leaves an easy way open for a Ph. D. degree. Hi Doc!

The death of my husband affected me so deeply that I married his brother!

And now I mourn only for my brother-in-law.

Mother: I've tried my best to make a fine girl out of you but I see that my work has been in vain.

Daughter: Well, it's a good thing you acknowledge your shortcomings and don't blame me for it.

Twerp: What happened to Zazu that he's so twisted up today?  
Burr: He went to a bulesque last night and got a seat behind a pillar.

A FLEA frolicking in a meadow was swallowed by a bull. "I'll revenge myself on this nasty beast as soon as I have rested up," vowed the flea to itself, and took a nap. But sad to relate, when the flea awoke, the bull was gone.

To be an Editor I'd count  
The greatest boon lent me:  
With noble scorn I'd throw away  
The poems that I sent me.

E. J.

### Fraternity Notes

#### DELTA TAU DELTA

We take great pleasure in announcing the pledging of Robert A. Davis, Arch. '38.

Plans have started on the annual Founder's Day celebration on May 10. Many alumni have been contacted and the outlook is for a very successful affair. Don Brissman is making final plans for the editing of the Excitor, chapter publication. It will be out within the next few weeks.

#### KAPPA DELTA EPSILON

Alpha chapter of Kappa Delta Epsilon takes pleasure in announcing the pledging of Myron Goldmith. The house is looking forward to

next Friday night when the actives and alumni will meet at the Allerton House for a gala dinner which will be followed by a dance, cards, and ping pong.

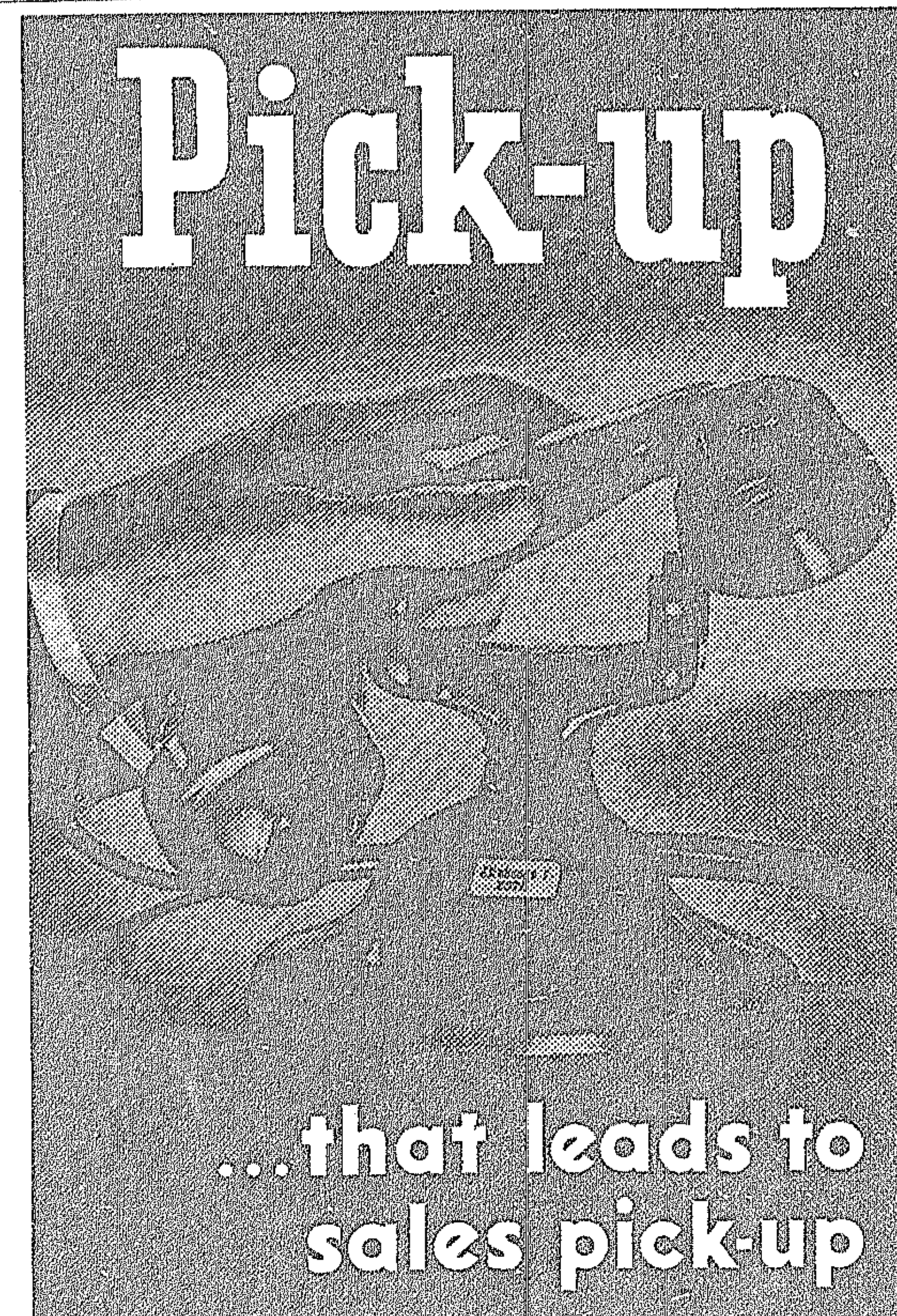
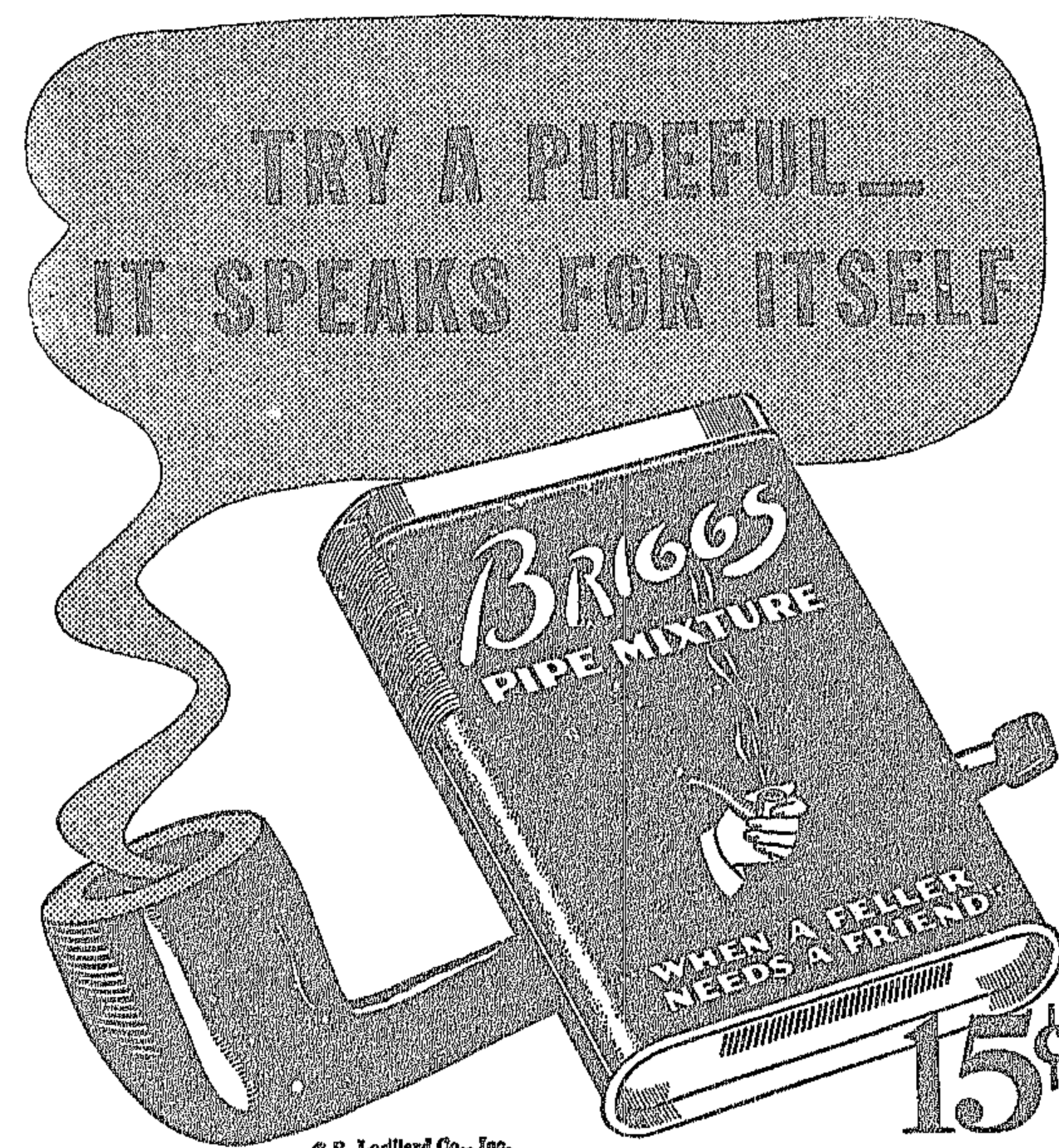
#### THETA XI

Repeating last week's achievement we are pleased to announce the pledging of two more men, namely: Arthur Dreis '37, Ch. E.

Roy Magnuson '37, F. P. E.

A majority of the men were present at the recent Interfraternity Ball and all agreed it to be a huge success.

Our recent ping-pong match with the Rho Deltas started off the season and indications show a fast tournament. We were pleased to have Brother Mulrooney visit us last week.



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### Rifle Club Is Entry in U. of C. Tourney

Activity in the quarters of the Rifle Club in Chapin Hall heralds the club's entry into a full season of matches that will test their marksmanship. Matches with Big Ten Universities and other mid-western colleges and an invitational shoot at the University of Chicago are on the schedule. Plans are also afoot to furnish the club rooms so they will be on a par with those of the Campus Club and the fraternity houses.

During this week matches with the Universities of Akron and Chicago will be held, followed in the next two weeks by matches with Illinois, Purdue, Northwestern, and DePaul Universities.

On April 4-5 the Rifle Team will participate in the First Annual U. of C. Rifle Club Invitational Match. The match will be held on a 100 yd. range, in four divisions; iron and telescopic sights, and individual and team.

The decorating work is progressing rapidly and soon radios, furniture, and a library will be installed. All are looking forward eagerly to the conclusion of the work when they may enjoy the rooms during free hours.

Among the decorations, they confidently say, will be trophies from the U. of C. meet. These optimistic riflemen are: A. J. Dempsey, V. Jandasek, W. Labes, R. Z. Miller, W. F. Otto, J. Prochaska, J. Ratto, H. Staudt, H. McDaniels, Captain, and R. W. Starman, manager.

### To Offer Scholarship Examinations in May

Students graduating from high schools this June and intending to take the scholarship examination will be interviewed between March 2 and May 21.

Ten one year scholarships which cover tuition for the year 1936-37 are offered this year. The examination will be held on Saturday, May 23 and will be three hours in length.

### SIDELINES—

(Continued from page one)

THE "RED DEMON'S" organization is divided into three principal departments: the "Undercover Department"—spy workers to obtain accurate information of the contemplated action of fellow employees; Openshop Department—"Scabs" or the layman's "Strikebreaker," to keep the wheels of industry moving; Protection Department—"big-time" thugs, disciplined gunmen, for the protection of life and property.

IN THE PRESENT instance, the strikebreaker organizations of New York have taken one of two forms:—Employment Agencies and Detective Agencies. According to the *New York Times*, fifteen new employment agencies sprang up within two days after the strike had started. While it is not possible to prove any connection between these two types of agencies and the large Strikebreaker organizations, there can be no doubt that they appear to be thinly camouflaged "fronts" for the larger and more sinister parent organizations. This fact is borne out daily by little insignificant remarks appearing in the newspaper reports on the strike.

THE SLIGHT action which has been taken by several small groups of citizens seems to have awakened the public to the foul practices prevalent in labor disputes. Whether or not this interest has been stirred to such an extent that it can break such organizations as Bergoff's remains to be seen.

### Bulletin for Summer School Is Published

A bulletin describing the courses which Armour Tech will offer during the summer session, beginning June 22 and ending August 14, 1936, has been published.

Courses will be offered in mechanics, mathematics, physics, social science, and in civil, chemical, electrical, and mechanical engineering.

Field practice in surveying required for civil engineering students, will be carried out at Camp Armour, located at Trout Lake, near Minocqua, Wisconsin.

### Armour's Rare Math Books Are Discussed

Professor W. C. Krathwohl spoke before the Women's Mathematical Club of Chicago last Saturday on several of Armour's rare mathematical books. The address was given at Mandel Brothers, and the following were among the books discussed:

Arithmetice Abbreviated-Barton, W.—London, 1643.

In Hac Libra Contenta Epitome-Boetius, Serevius—Paris, 1522.

L'Algebra Opera-Bombelli, Rafael—Venice, 1572.

Logists-Buteo, Johann — Lyons, 1557.

Decimal Arithmetic-Cocker, Edward—1713.

Euclid—First English translation by John Dee—1570.

L'Arithmetique-Gemma, Erisius—Paris, 1585.

Traite de Algebra ec Principes Generaux-Rolle, Michael — Paris, 1690.

### Alpha Chi's to Meet Thursday in Rooms

Alpha Chi Sigma members will meet with the alumni chapter of the society next Thursday in the rooms in Chapin Hall to discuss plans for a coming smoker. According to J. Haase, Master Alchemist, last year's alumni smoker was so well liked that the alumni have requested a similar affair this year.

A new ping-pong table has been acquired. Elimination tournaments are under way in both ping-pong and chess. The winner of the chess tourney will be announced soon.

### Prof. Ensz Recovering From Serious Illness

Professor Herbert Ensz, associate professor of civil engineering on leave of absence, was taken ill with arthritis several weeks ago but is now rapidly convalescing in a hospital in Cambridge, Massachusetts. He is expected to fully recover in about two weeks.

At Harvard, Professor Ensz was studying soil mechanics under the well known authority, Charles Terzahi. His studies will be resumed upon recovery and will be completed within sufficient time to allow him to resume teaching at Armour in the fall.

### Densitometer Being Built in Physics Lab

An intricate piece of apparatus known as a densitometer is now being constructed by the physics department. The instrument is used in determining the density of photographic films and will be used in connection with the course in light, physics 302, now being given by Prof. W. W. Colvert.

Thus far, the work in the light course has consisted of the following experiments: various methods of measuring indices of refraction, methods of measuring the apparent depth of transparent substances, finding the principal focus of a lens, determining the principal planes of a thick lens, determining the constants of a binary lens system, and magnifying power. The group has started to work on the dispersive power of prisms.

### Most of '35 Class Are Now Working

#### Outlook Seems Good for Graduating Class

Graduating seniors will be gratified to learn that to date 93.3% of the seniors that were graduated in June, 1935, have found positions either on their own achievements or through the personnel office. This news was released, upon inquiry, by W. N. Setterberg, head of Armour's personnel department, last Friday, March 13.

By analyzing the various engineering departments we find the Fire Protects and Electricals of '35 have been placed 100%; Civils, 95%; Mechanicals 93%, and Chemicals 91%. The Architects are rather elusive and no definite results are as yet obtainable. However, of those heard from, 80% are now working.

The prospects for 1936 graduates of Armour are equally, if not more satisfactory than last year's. Through the aid of a student committee led by William Alt, all but a few of the seniors have been contacted by the personnel department. Each of these men have on file a complete record of their college and personal life, qualifications, aptitudes and other pertinent information. This data represents the students when employers seek men of Armour until a time when personal interviews are arranged.

Among those firms and industries that have already been contacted are

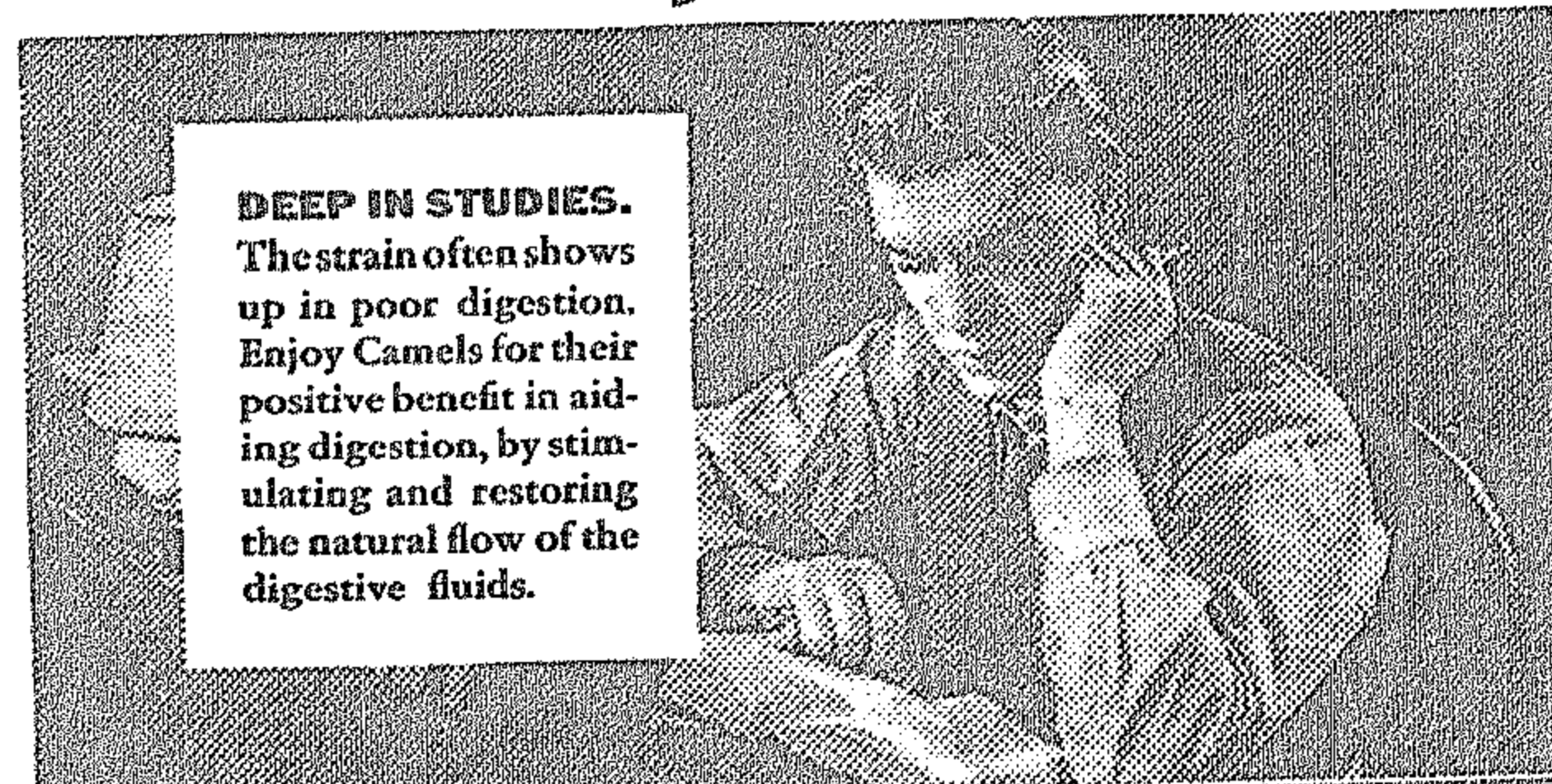
### CAMPUS CAMERA



General Electric, who has already employed four '36 graduates: D. C. Graham, D. C. Harris, R. Knaus, and W. G. Rundell; Universal Oil Products, Goodyear, Firestone, Standard Oil, Armstrong Cork, Carbon & Carbide, U. S. Gypsum, and Dow Chemical of Midland, Michigan.

**MOTOR CLUB INN**  
BANQUETS A SPECIALTY  
SPACIOUS BALLROOM  
"We Cater to Students"  
Moderate Prices—Big Variety  
33rd and Michigan

# For Digestion's sake—smoke Camels

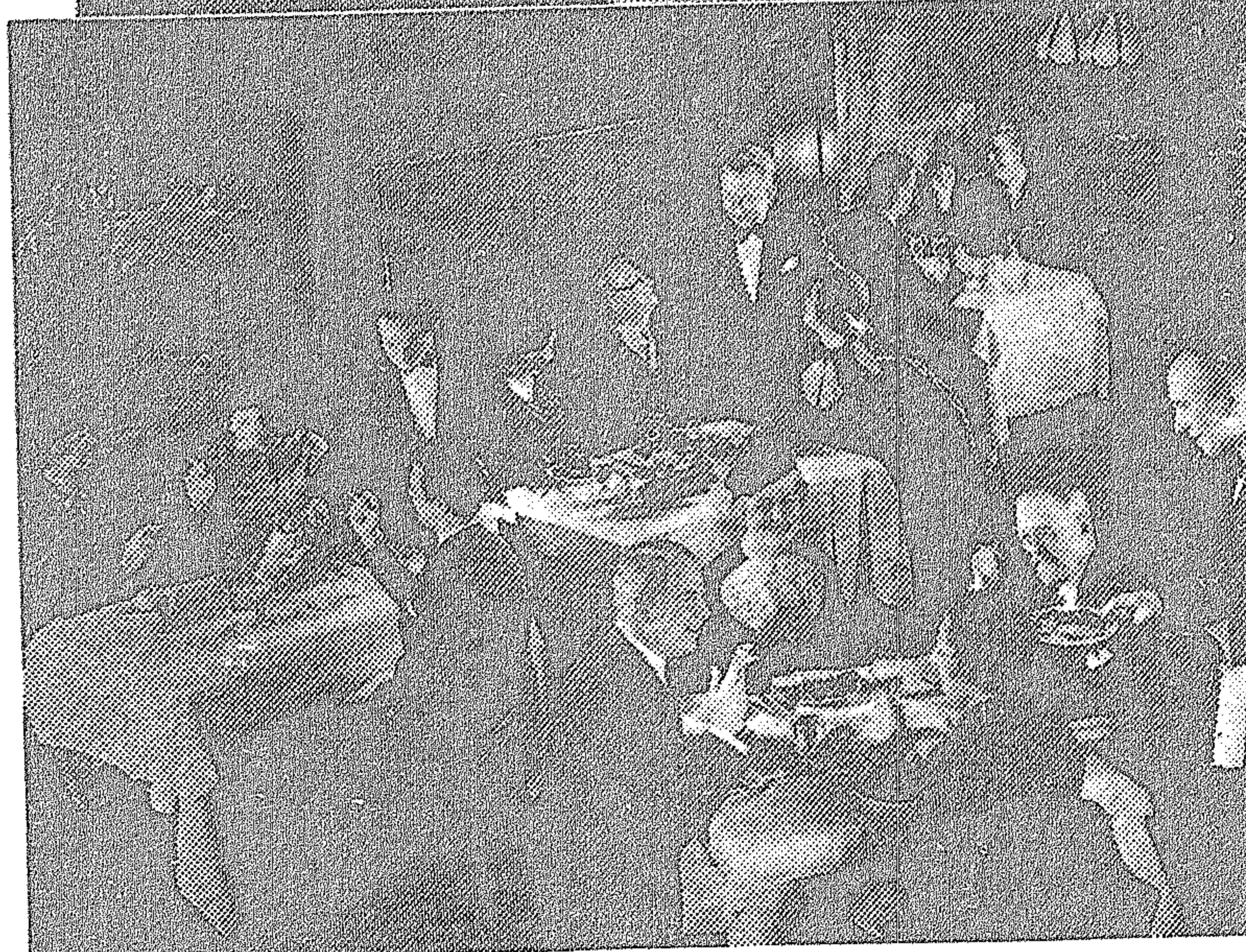


**DEEP IN STUDIES.**  
The strain often shows up in poor digestion. Enjoy Camels for their positive benefit in aiding digestion, by stimulating and restoring the natural flow of the digestive fluids.

Smoking Camels eases tension—stimulates digestion—and fosters a feeling of well-being!

Again and again, we make up for lost time by eating in a hurry. Digestion must meet the strain. How fortunate that smoking Camels during and after meals definitely stimulates digestion and helps to ward off the effects of our hurried, nerve-racking life—by aiding and restoring the natural flow of the digestive fluids. Today, Camels are being everywhere recognized

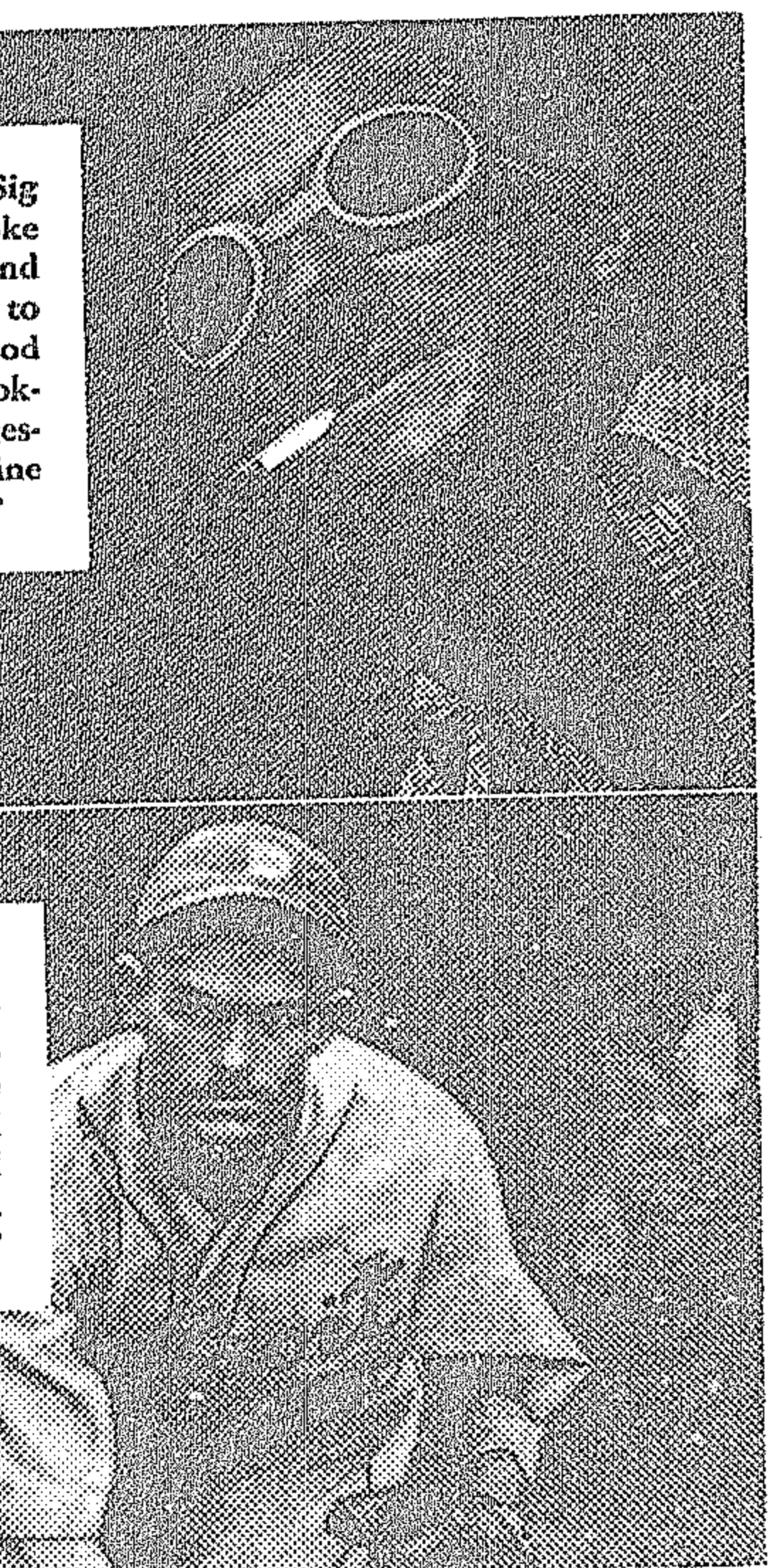
as a healthful part of the art of dining. Camels are incomparably mild—never get on your nerves or tire your taste. Enjoy Camels with meals and the whole day through, for their matchless blend of costlier tobaccos—for their energizing "lift"—for the welcome feeling of well-being they bring you. Camels set you right!



L'AIGLON, IN CHICAGO, RENOWNED FOR ITS CONTINENTAL CHARM AND CUISINE. "Teddy," genial host to the lively crowd you see in the picture above, is an internationally famous *maitre d'hôtel*. "We find our patrons know not only good cooking," he says, "they know good tobacco. There is no question but that Camels are the most popular cigarette."

**WIZARD ON SKIS,** Sig Buchmayr, says: "I smoke Camels while eating and afterwards. It seems to me that after good food there's nothing like smoking a Camel to aid digestion and build up a fine feeling of well-being."

**TOMMY BRIDGES,** of the World Champion Detroit Tigers, says: "Ball players have to watch digestion. I find Camels a real aid in helping digestion. Camels set me right!"



**TUNE IN!**  
CAMEL CARAVAN WITH  
WALTER O'KEEFE  
DEANE JANIS, TED HUSING  
GLEN GRAY AND THE  
CASA LOMA ORCHESTRA  
Tuesday and Thursday—  
9 p. m. E. S. T., 8 p. m. C. S. T.,  
9:30 p. m. M. S. T.,  
8:50 p. m. P. S. T.—over  
WABC-Columbia Network

## COSTLIER TOBACCOS!

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



KALEIDOSCOPE

PUNNING, for some reason, finds an important niche in conversational circles at Armour. In almost every gathering there are one or two who aspire to the art.

Ben Battle was a soldier bold, And used to war's alarms; But a cannon-ball took off his legs, So he laid down his arms!

Now as they bore him off the field, Said he, "Let others shoot, For here I leave my second leg, And the Forty-second Foot!"

"O, Nelly Gray! O, Nelly Gray! Is this your love so warm? The love that loves a scarlet coat, Should be more uniform!"

"Before you had those timber toes, Your love I did allow, But then, you know, you stand upon Another footing now!"

So round his melancholy neck, A rope he did entwine, And, for his second time in life, Enlisted in the Line!

Do you remember this classic verse from "Faithless Sally Brown?" His death, which happen'd in his birth, At forty-odd befell; They went and told the sexton, and The sexton toll'd the bell.

ON GRAY'S "ELEGY."

Thomas Gray's "Elegy in a Country Churchyard" is credited by many as being the most perfect poem ever written. Most certainly it ranks high in popularity in English poetry.

The following are four stanzas of the "Elegy" which Gray omitted completely from the published poem. They have never before, to my knowledge, been published.

These verses are authentic copies of the original manuscript, brought here from England by a friend of the family. This manuscript, I believe, is in the possession of a professor residing near the church and Gray's house.

There scattered oft, the earliest of the year, By hands unseen, are showers of violets found;

The redbreast loves to build and warble there, And little footsteps lightly print the ground.

Him have we seen, the green wood side along, While o'er the heath we hid, our labours done,

Oft as the woodlark piped her farewell song, With wistful eyes pursue the setting sun.

The thoughtless world to majesty may bow, Exalt the brave and idolize success;

But more to Innocence their safety owe, Than Power and Genius e'er conspired to bless.

Hark how the sacred calm that breathes around Bids every fierce tumultuous passion cease,

In still small accents whispering from the ground A grateful earnest of eternal peace.

Note that these verses were not consecutive in the original draft of the poem.

Thomas Gray. Born in Cornhill, London, Dec. 26, 1716; died at Cambridge, July 24, 1771. Author of "Elegy in a Country Graveyard," "Ode on a Distant Prospect of Eton College," "Ode to Adversity," "Progress of Poetry," and "The Bard."—Stoddard Library.

Monte MacConnell, '38.

Unknown

On bended knee, with lowered head, We pause before the unknown dead. There lies beneath that grave of stone,

A lad that's wandered far from home.

Scores of years have passed away, But still the secret of that grave Reveals not the lad who lies within, In quiet solitude.

The fruits of victory, the horrors of war, Have all been divided amid the roar, of an unknown dead.

Years have passed and times goes on, but still war's memory lingers on. We shall ne'er forget our heroic brave,

As we stand before that unknown grave.

Bert Griesbach, M. E. '38.

N. B. This poem has been read over the radio several times, and has been published in the Midwestern Book of Poetry and Prose.

Wrangling thoughts jostle each Other and crowd through my mind With "I must do this, and why did I And will she soon, and this and that," And a hundred other daily cares, and then;

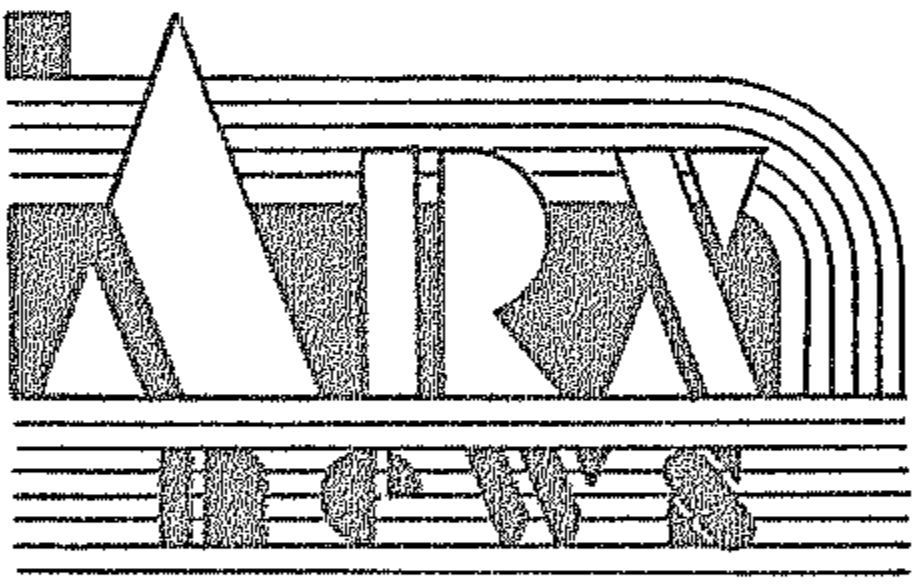
A pale blue coil of smoke Arises, soft, warm, soothing, seductive,

And curls slowly upward, coiling Indolently, then twisting into Myriad forms, drifts lazily To the ceiling, with infinite deliberate Calm, and fading, dissipates, Vanishing into the nothing whence it came.

E. E., '38.

IN CLOSING, we wish to thank Monte MacConnell, Bert Griesbach, Ralph Faust, and E. E., '38, for their contributions. In our next issue we will include several verses which lack of space prevented us from using this week.

R. W.



By special request from Charlie PFEFFER, we would like to make amends and rectify a slight ambiguity. It seems that Charles is not a "repeating" Life student, as we stated recently, but that he just goes to that class because he likes it so much.

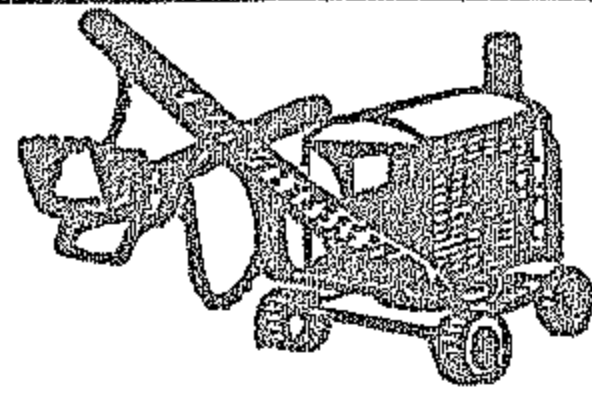
That well-padded, little gnome, Ed SCHMALTZ, took a beautiful slide on his car when his drawing board collapsed under his weight. You see, Ed cannot bend over his board; he must sit on it, and so, Ed's hefty rotundity was too much for the drawing board.

Speaking of gnomes, we might add that Milt KOHN received a Mention on his archeo. The subject was a Medieval Tapestry.

We shall have to devote a few lines to the seniors, who are always cutting up in some way... They have refined their language to an unrecognizable extent... Lemmie KAPLAN balled up the schedule by keeping that "certain" book of enlightening facts, out for a few days more than his allowed time... The class is up in arms and ready to "sink" Morrie BECKMAN, a junior, for reading that book... SPEARS booped his seniors in Concrete with, GINETHIC division.

TOM TAX.

THE STEAM SHOVEL



Two very energetic young gentlemen, namely Cliff (Foreigner) Carstens, and Willie the Garp Bolz were observed by stooge No. 725 in Aurora, Batavia, St. Charles, and Geneva, doing some curve tracing. Or was it chasing?

An annual custom is that of de-pantsing all freshmen making their first trip to a track meet. In attempting to carry out the tradition this year, the zeal was so great that a window was broken in the fray. (What part of a bus is the fray?) Anyhow the de-pantsing went on as if nothing had happened.

Shame on you, Professor Tibbals. After teaching at Armour so many years, you should know where "H" Chapin is.

What lengths will a man not go to attain wealth and fame! AL RAGAN bet a quarter apiece to P. R. Shultz and F. Hackman that he would drink anything they would mix. He won the bet. Among other things best left unmentioned, the concoction contained ginger ale, beer, terrible coffee, celery, cookies, salt, pepper, and last and not least, a little bit of water.

If those two daffy Slipstick columnists, ZAZU and E. J., don't get over their feud soon, we predict a murder.

See if you can get Tarzan Liebman to show you his picture in a certain physical culture mag.

PAUL MARTIN and BILL CHAPIN just love to throw pies. They couldn't find anyone to throw them at, so they just threw them at each other.

Great talent lies hidden in our faculty. Brother Winston recently entertained his class with a song and dance. Wouldn't it be swell if we could import our faculty from Hollywood? Yipee! No more cutting class!

Just because he is such a quiet little feller, and always minds his own business, we must give L. B. Parker, the first prize for this week: a gold plated ink eraser.

H. O. B. is getting to be the local man about town. For two Friday nights he's been missing from the the news office. Her name seems to be Dorothy L. Wonder who she danced with at the Soph dance, when Herman was dancing with Prof. Potter's girl.

According to the Normalite several of the girls are not satisfied with the boys at that school. They seem to be meeting Armour men on the "L" platform. Of all the places!

'Wearing of Green' Frosh Theme Song

Today, March 17, the feast day of the famous Saint Patrick who drove the snakes from Ireland, freshmen representing many races and creeds will—if the sophomores did not take the day off—pay unregretting honor to the saint by donning green hats.

Whether or not brickbats and Irish confetti will be needed to fittingly celebrate the day is a question. "Sein Feiner-like" organizations among the sophomores may regard capless freshmen as British red coats,—a dangerous situation. Inclement weather may keep all ranks behind their lines.

The sophomore class seems to have meant business when it issued the order that green caps must be worn during element weather by all freshmen as soon as they enter "No Man's Land" which is bounded on the north by thirty-first street, South by thirty-fifth street, East by Michigan Boulevard, and West by Wentworth avenue.

If the rumor that freshmen will keep their own men in obedience to the ultimatum is true, a halcyon day should be enjoyed by all.

Book Review

Elements of Diesel Engineering by Orville Adams. Published by Norman W. Henley, New York. Price \$4.00.

It is conceded by those familiar with modern mechanical development that the increasing use of the diesel engine in the automobile, industrial, marine, agricultural and locomotive fields will so greatly augment its scope that thousands of trained mechanics and engineers will be needed during the next few years just to care for normal expansion.

Elements of Diesel Engineering is a book written in simple language, covering principles of design, operation, maintenance and repair of all types of diesel engines with special reference to modern high speed automotive types. Its purpose is to instruct the beginner in the elements of the subject.

An outstanding feature of this new book is the inclusion of many important charts, diagrams and illustrations showing various combustion chamber, ignition and installation details which would help in studying the subject at home. At the end of each chapter is a set of questions useful to anyone making a real study of the diesel engine.

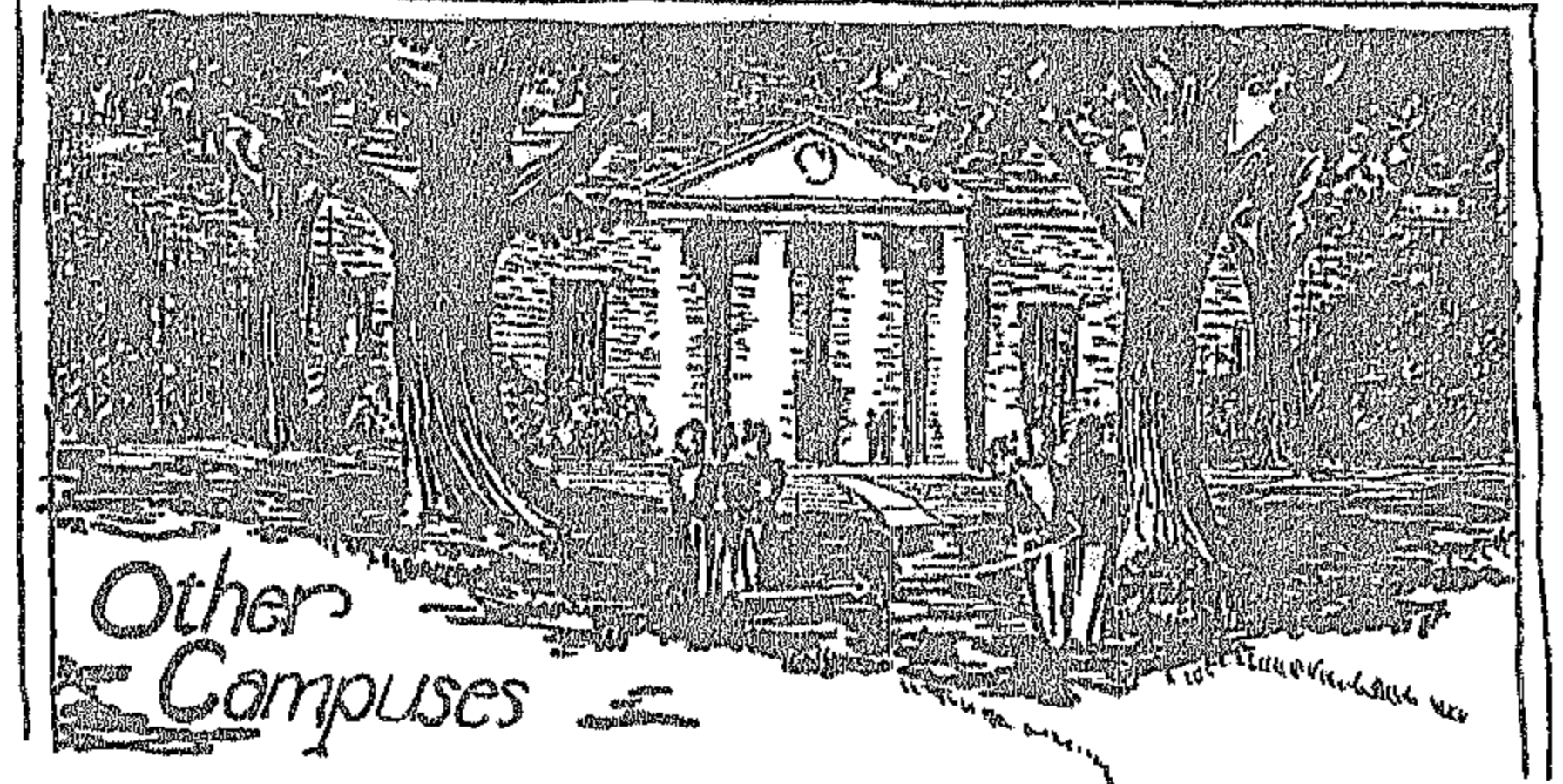
In the attempt to make the book non-technical in language several important elements are referred to special textbooks. The lack of any simplified thermodynamics can be noted. These principles are necessary to the thorough understanding of the diesel principle and their omission is rather disappointing.

The large amount of space devoted to the operation and maintenance of automotive diesel engines is virtually another book in its usefulness to the practical engineer. Of importance to the designer is the chapter devoted to a history of the development of parts for high speed engines. This includes a treatment of the removable cylinder sleeve or liner, the development of aluminum alloys for pistons and the placement of rings for increased efficiency.

The book is now in the school library and it can well be useful to students taking the diesel course and to night school students interested in diesel engineering.

Fred Leason Jr.

A Birmingham Southern professor recently sent the translation of a long and difficult Arabic work to his New York editor. A few days later he got a request to do it over. The publisher had lost the original.... And I'd like to see that boy tangled up with a Physics "final."



By T. H. Watts and F. J. Heidenreich

Don Riggs, a husky 22-year-old boy of Kansas City, Mo., is working his way through State Teachers College at Pittsburg, Kansas, as a dress-maker.

Columbia's Prof. Colin G. Fink believes universities should have less "blackboard scientists" and more practical laboratory workers.

Twenty Connecticut Wesleyan University students are studying practical governmental methods in Washington.

For students who keep wondering how to get an extra "ten spot" from home comes a friendly tip from the Daily Northwestern. One student at Northwestern follows the market fluctuations of the stocks his father holds. When the stocks advance, he writes home for money, feeling that the purseholder should be spiritually and financially in a philanthropic mood at the time.

Now comes the shocking news that the date bureau at Drake University at Iowa has shut up for lack of applicants.

Sounds made by the heart can be seen, heard, and photographed by the electrostethograph (looks like we're engaged in another hunt for long words, doesn't it), an instrument devised by Dr. Walter Biering, president of the American Medical association.

Harvard engineers are developing a "frost-proof" road.

Not even Phi Beta Kappa headquarters knows the official grip of that organization.

Even in Canada coeds do not like their boys friends to go in for "liquor or mustaches." In a recent poll of the University of Toronto Campus, the coeds expressed violent disapproval of such "obnoxious" items along with mutilated fedoras, imitation racoon coats, and long waving hair.

This ad appeared in a Syracuse paper, giving the address and telephone number of a sorority house:

"Lost — woman's purse containing Phi U., Phi Psi, and Beta pins. Valuable for sentimental reasons."

Now let's look at the "pet peeves" of coeds at Indiana University. Among them we find "Being kissed on the back of the neck," "a fellow walking on the wrong side of a girl," and "conscientiously funny people who repeat their wise cracks to make sure you hear them."

A secret organization called the Hot Dog at Syracuse University decrees that its members shall pass no exam with a grade of C and that they shall wear white shoes the year around.

This ad is from the West Virginia University daily: "Men Wanted: By two popular sorority girls, two handsome gentlemen for dating purposes. Social assets required."

In spite of the fact that women do not have to bear the expense of dates, Wisconsin coeds spend \$150 more a year than the average man does.

"Heavy" water has a viscosity 23 times greater than that of ordinary distilled water. Stir it fellows, it's getting thick.

The American Liberty League claims a membership of 200 among Rutgers.... What do college students know about liberty?

A Hendrix College professor has weighed a ray of sunlight.... How in h— did he hook that onto a spring balance to get its weight?

PIPE SMOKERS! P.A.'S NO-RISK TRIAL OFFER STILL HOLDS GOOD

Advertisement for Prince Albert cigarettes featuring a man smoking and a woman. Text includes: 'TRY A TIN ON THE MONEY-BACK OFFER', 'I SMOKE THE KIND DAD SMOKES', 'PRINCE ALBERT IS ALWAYS MILD AND FRESH', and 'My old pipe and a tin of P.A. are always within reach, says "Texas" Faught, '38.'

Advertisement for Prince Albert cigarettes with a large image of a pack. Text includes: 'HERE'S P.A.'S SPECIAL NO-RISK OFFER', 'Smoke 20 fragrant pipefuls of Prince Albert. If you don't find it the mellowest, tastiest pipe tobacco you ever smoked, return the pocket tin with the rest of the tobacco in it to us at any time within a month from this date, and we will refund full purchase price, plus postage.', and 'PRINCE ALBERT THE NATIONAL JOY SMOKE'.

## Women of France Study Engineering

### Study Subjects to Prepare for Special Jobs

According to the Bulletin D'Information, loaned to the *Tech News* by Professor Penn, "Women have proved that they are able to learn as well as men, and attain success in every sphere of human activity, and particularly in the scientific world. The *Ecole Polytechnique feminine* is an affirmation of the ability of women when they are guided in the way implicated by their sensitiveness, their moral faculties, the eager wish of intellectual independence."

#### Located in France

The *Ecole Polytechnique feminine* is a technical school of higher learning in Paris, which aims to prepare women for the engineering career, and offers a program of studies especially applied to the various branches of feminine activity in industry. The school registry office, in constant connection with manufacturers, provide the graduates with employment.

#### Program of Studies

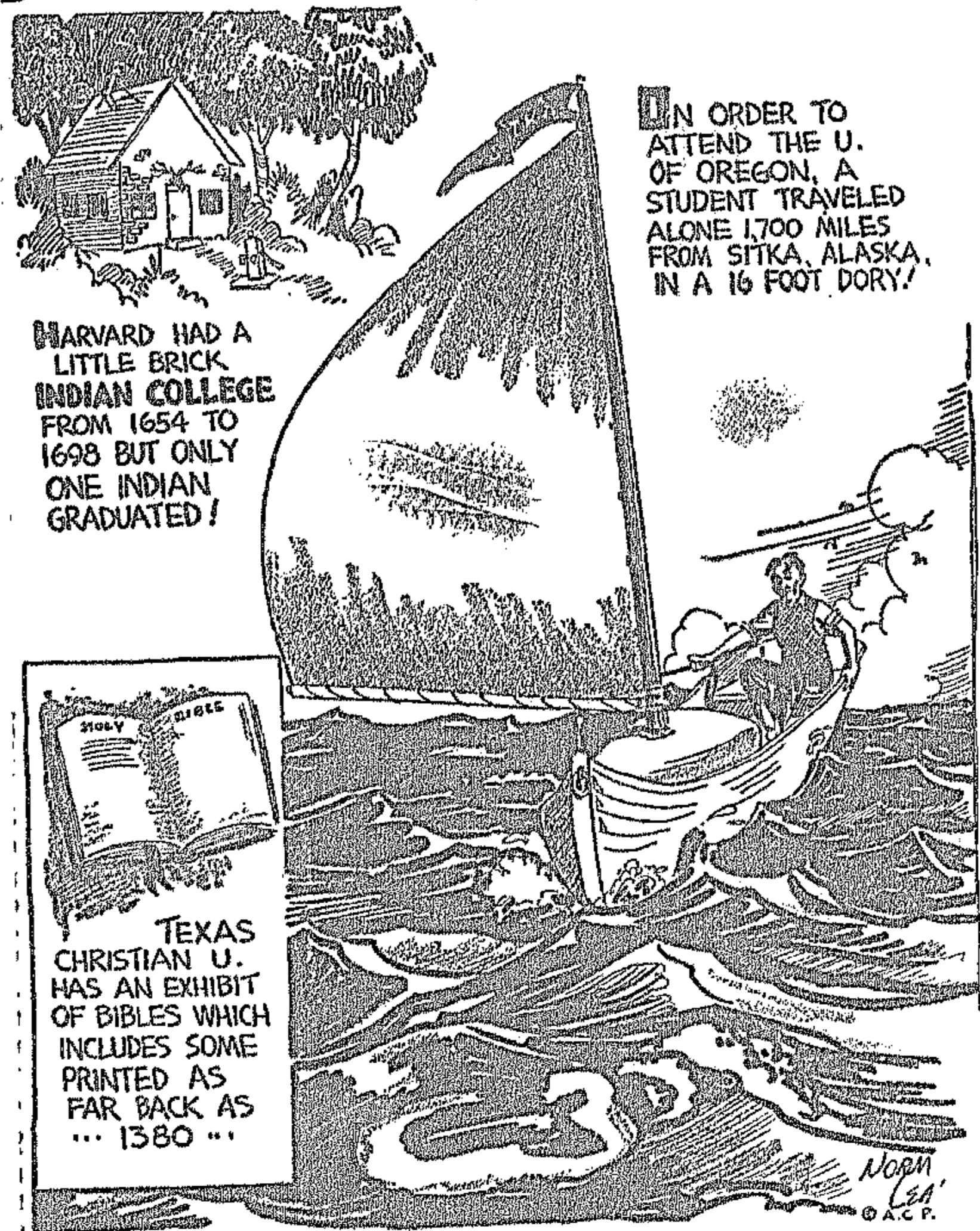
Studies last three years, during which students have to pass at the same time as the Engineering subjects, general science subjects including general mathematics, rational mechanics, physical mechanics, and general electrotechnique. Courses take place in the amphitheatre of the Conservatoire National de Arts et M'etiers. Attendance to courses, lectures, inspection trips, etc., is compulsory.

Inspection trips are made from time to time after which students are required to write out a report which is corrected from both the technical point of view and that of the French language.

#### Final Examinations

After three years the final examinations are taken in the following subjects: General Electric technique.

## CAMPUS CAMERA



HARVARD HAD A LITTLE BRICK INDIAN COLLEGE FROM 1654 TO 1698 BUT ONLY ONE INDIAN GRADUATED!

IN ORDER TO ATTEND THE U. OF OREGON, A STUDENT TRAVELED ALONE 1700 MILES FROM SITKA, ALASKA, IN A 16 FOOT DORY!

TEXAS CHRISTIAN U. HAS AN EXHIBIT OF BIBLES WHICH INCLUDES SOME PRINTED AS FAR BACK AS ... 1380 ...

## Tech Track Team Defeated, 60-44

Armour Tech's track team, after taking an early lead, was turned back, partly by their unfamiliarity with the type of track they encountered, but for the most part by a stronger North Central squad, 60 to 44, last Thursday at Naperville.

The home team led off with a rousing victory in the shot put by taking the first two places, Bowles winning with a toss of 40 ft. 4 1/2 in. The Techawks came right back in the mile run to tie up the score, Finnegan taking an easy first closely followed by another Armour man, Deuter.

#### Tech Takes Four Events

The next four events gave the Tech squad a substantial lead of 35-19. Neal, leading point gainer of the meet, led off the attack with his victory in the 60 yard event. Simeon, in his second appearance this season, again came through in the high jump by tying Keith of North Central for first, both men clearing the bar at 5 ft. 10 in.

Armour made a clean sweep of the quarter mile by taking all three places. McDonald, returning to action after a layoff due to a leg injury, lead the field, being closely followed by Neal and Ryan.

#### North Central Rallies

The remaining events saw North Central making up for lost time. Siebert, North Central's outstanding track man, had little trouble in winning the only two events he entered, the broad jump and the 60 yard low hurdles. Rickel of the home team also turned in a nice performance in defeating Faust in the two mile grind.

#### Summaries

60 YARD DASH—Won by Neal (A). Gillett (N) second; Neurt (A) third. Time—6.6.  
 440 YARD RUN—Won by McDonald (A). Neal (A) second; Ryan (A) third. Time—56.6.  
 880 YARD RUN—Won by Clark (N). Keyes (N) second; Finnegan (A) third. Time—2:11.1.  
 MILE RUN—Won by Finnegan (A). Deuter (A) second; Sturry (N) third. Time—5:30.

## A.I.E.E.—

(Continued from page one)

Alternating Current, Hydraulic, Hydraulic turbines, Hydro-electric central stations, Physical mechanics, Thermo-dynamics, Resistance of materials, Elasticity, Applications. Radio-telegraphy, Electric Units and measurements, Statistical graphics, Calculus, Construction and Design of machines, Plans and specifications, Plans of organization of services (reception and research), of testing laboratories and work rooms and shops.

That should make some techawks blush with shame!

The government has adopted this detector to detect any poisonous gases in mines, including those which are usually odorless and tasteless.

## ARMOUR TECH RELAY RECORDS

Event	Record	Contestant	Year
College One Mile Relay	3:25.9	Michigan Normal	1934
College Two Mile Relay	8:07.9	Illinois State Normal	1934
Sprint Medley	3:33.1	Illinois State Normal	1932
University One Mile Relay	3:21.9	Pittsburgh	1934
University Two Mile Relay	7:53.2	Michigan State	1933
Distance Medley	10:24.5	Michigan State	1935
70 Yard Dash	:07.1	Herman (Carleton)	1934
70 Yard Low Hurdles	:07.6	Kappenberger (Kansas St.)	1935
70 Yard High Hurdles	:08.8	Black (Chicago)	1932
440 Yard Run	:50.4	Burns (Butler)	1932
880 Yard Run	1:56.8	Hornbostle (Indiana)	1932
One Mile Run	4:14.1	Brocksmith (Indiana)	1932
High Jump	6 ft. 5 in.	Nelson (Butler)	1932
Pole Vault	13 ft. 5 1/2 in.	Seeley (Illinois)	1935
Shot Put	48 ft. 4 in.	Davis (Hillsdale)	1935
Broad Jump	23 ft. 10 1/2 in.	Brooks (Chicago)	1932

## RELAYS—

(Continued from page one)

visions, is a gruelling race that will bring out the best in a promising field and the finish is sure to be closely contested.

Let's not forget that this race is known as the ARMOUR Tech Relays. The Tech lineup is not definitely known yet but Neal, Concolino, Faust, Dunbar, Neurt, Finnegan, and MacDonald are likely to be entered in the relays. Dunbar, Neurt, and Neal were members of the medley relay team that won for Armour last year and although George Nelson's stride will be missing we can be sure that these men will turn in a fine performance in one of the relays. None of the records of the Tech Relays are of more than three

TWO MILE RUN—Won by Rickel (N). Faust (A) second; Windland (N) third. Time—10:46.6.  
 60 YARD LOW HURDLES—Won by Siebert (N). Dittman (N) second; Fleir (A) third. Time—7.5.  
 60 YARD HIGH HURDLES—Won by Godfrey (N). Gillett (N) second; Goes (A) third. Time—7.8.  
 HIGH JUMP—Won by Simeon (A) and Keith (N). Wood (N) third. Height—5 ft. 10 in.  
 POLE VAULT—Won by Concolino (A). Dixon (A) and Heilman (N) second. Height—10 ft. 6 in.  
 BROAD JUMP—Won by Siebert (N). Neal (A) second; Keith (N) third. Distance—21 ft. 1 1/2 in.  
 SHOT PUT—Won by Bowles (N). Anderson (N) second; Simeon (A) third. Distance—40 ft. 4 1/2 in.  
 RELAY (8 laps)—Won by North Central (Selden, Pritchman, Dittman, Bollen). Time—2:34.4.

years' standing, and with Notre Dame and Michigan State returning this year, it is doubtful whether many of the records can live another year.

#### Well Known Officials

In addition to the track and field luminaries, there are numerous officials, well known in the sporting world, who will be on hand to see that everything runs smoothly. Major John Griffith, athletic commissioner of the Big Ten, will be back again this year as referee, and Dr. W. J. Monilaw will be back as starter. The finishes will be judged by Prof. John Schommer and a staff of able assistants, including Mr. George Donoghue, head of the city parks. The announcing (and wise cracking) will be again performed by Ted Canty, sports veteran. It will be the duty, or rather pleasure of these judges to award individual medals of gold, silver, and bronze to place winners in individual and relay events.

#### Students Free with Passes

Students will be admitted by presenting their passes at the gate, but all outsiders will pay one dollar per ducat. This is one time when the athletic pass will prove its value. Don't fail to be on hand to see some fast stepping performers from Northwestern, Marquette, Wisconsin, Notre Dame, Kansas State, Michigan State, Michigan Normal, Bradley Poly-Tech, and many other schools!

# Each Puff Less Acid A LIGHT SMOKE OF RICH, RIPE-BODIED TOBACCO

For twenty-five years the research staff of The American Tobacco Company has worked steadily to produce a measurably finer cigarette—namely, a cigarette having a minimum of volatile components, with an improved richness of taste—"A LIGHT SMOKE."

We believe that Lucky Strike Cigarettes embody a number of genuinely basic improvements, and that all these improvements combine to produce a superior cigarette—a modern cigarette, a cigarette made of rich, ripe-bodied tobaccos—A Light Smoke.

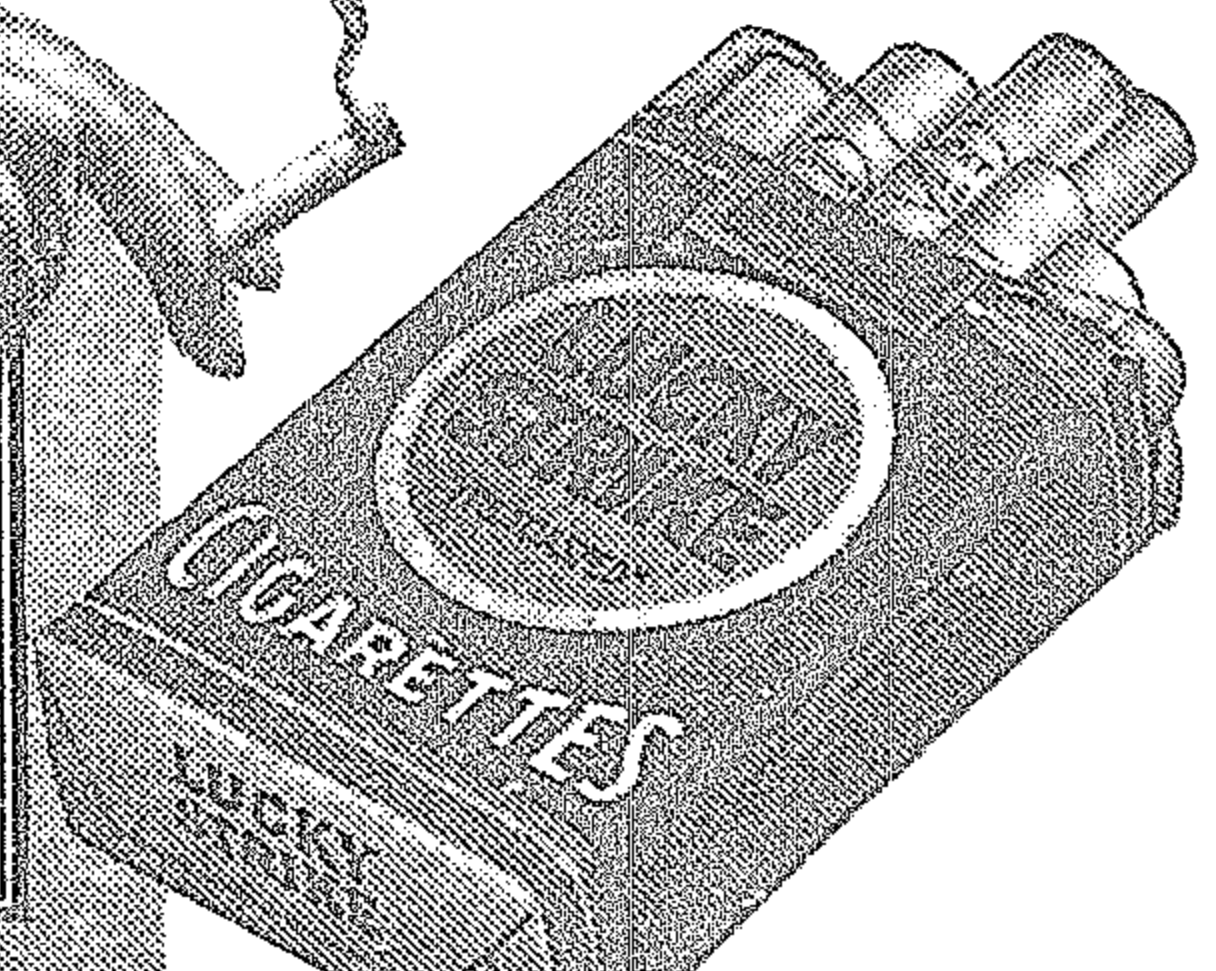
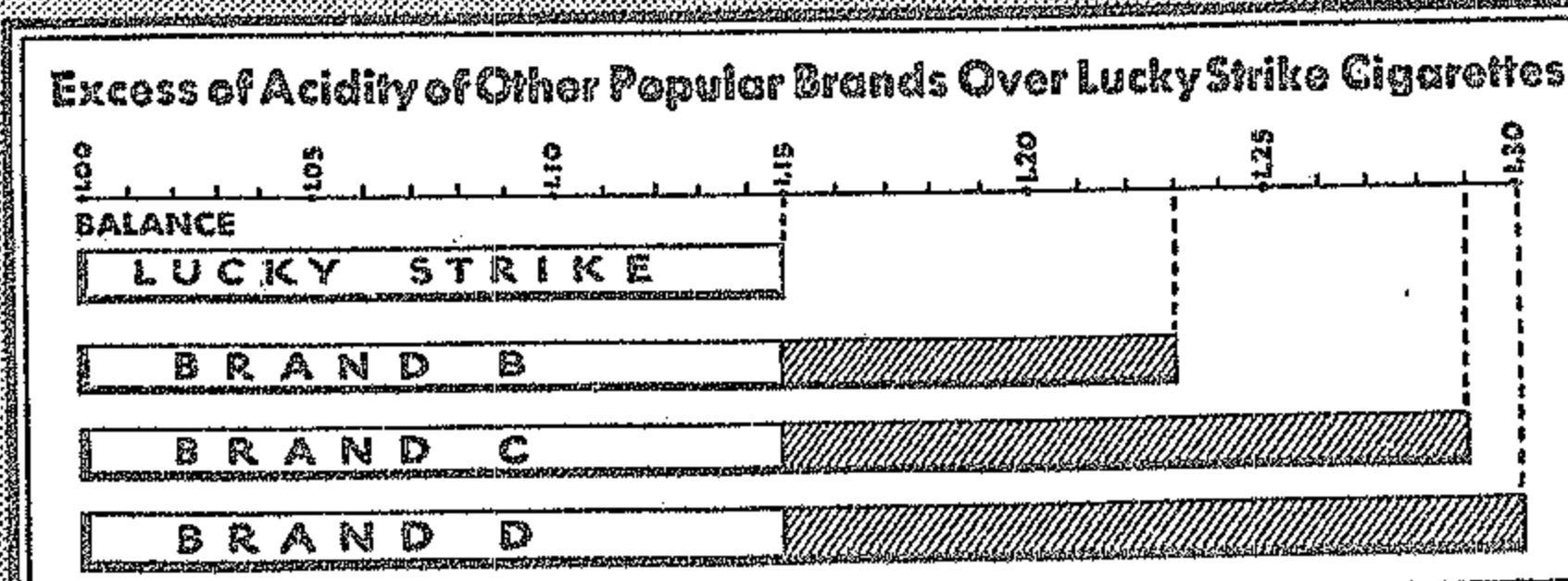
## Luckies—"IT'S TOASTED"

Your throat protection—  
against irritation—against cough

Luckies are less acid

Recent chemical tests show that other popular brands have an excess of acidity over Lucky Strike of from 53% to 100%.

\*RESULTS VERIFIED BY INDEPENDENT CHEMICAL LABORATORIES AND RESEARCH GROUPS



# TECH WRESTLERS BEAT MORTON JR. IN SEASON'S LAST

## Lose First Two; Then Take Remaining Eight Bouts

### FINAL TALLY 26-10

Drawing a successful season to a close the Tech wrestlers trounced Morton Jr. College's team, 26 to 10, on the latter's floor last Friday. After losing the first two bouts, the grapplers set to work by gathering in all of the remaining main bouts and the two exhibition matches.

Dunne started off the winning spree by proving himself the better man the whole stretch. With his usual tactics of tangling his opponent up with his legs, he rode his man for the better part of the match, but because Rehkof refused to be pinned, he had to be satisfied with a seven minute-time advantage. Patterson, at 145, beat Vesely, in what proved to be an evenly matched and fast fought match, by a good time advantage.

#### Schmidt Wins by Pin

The Schmidt bout was also fast, with the Techman torturing him with a grapevine and finally pinning him in 3:31. Kreml, at 165, also succeeded in pinning his man, as did Sumner and Tullgren in the other main events. After failing to go down in the first two minutes, Kreml got time on his opponents turn down, and then pinned him on his own time. Sumner's pin was delayed to 8:39 because his man used defensive tactics. Doing little but trying to avoid a pin. The Tech's heavyweight, Tullgren, showed improved form in his defeat of Loeffler who outweighed him.

In the exhibition bouts Boberg won on a time advantage and Popper pinned his opponent in five minutes.

#### Summaries

118 pounds—Stechmiller (M) pinned MeDaniel (A). Time—3:13.  
126 pounds—Samec (M) pinned Ripek (A). Time—4:56.  
135 pounds—Dunne (A) beat Rehkof (M). Time advantage 7:01.

# Tech Swimmers Win Third In Row

Last week, for the third successive time, the Armour swimming team emerged victorious in a meet which was not decided until the last event, when Central Y. M. C. A. was beaten at the Bartlett pool, 39 to 36.

The score throughout the meet was always close with neither team ever more than four points in the lead, and twice the count was tied, the second tie resulting with only the 180 yard medley relay remaining on the program. The relay team, composed of Duerrstein, Svagdis, and Tallafus, came through in good style to win the event.

Svagdis and Winblad lead in individual scoring for Armour with a first apiece. MacKenzie and Milholland, with ten and eight points respectively, lead the "Y" scoring. They both swam in the 160 yard relay which gave Central the first race.

#### Smidl Second in Free Style

In the 100 yard breast stroke Knaus and Svagdis met little competition. As they approached the finish line they were neck and neck; but Svagdis took the event by a nose.

#### Summaries

160 YARD RELAY—Won by Central Y (SH) ver. Stahl, Milholland, MacKenzie. Time—1:24.6.  
100 YARD BREAST STROKE—Won by Svagdis (A). Knaus (A) second; Silver (Y) third. Time—1:30.  
40 YARD FREE STYLE—Won by Mackenzi (Y). Smidl (A) second; Stahl (Y) third. Time—2:1.  
100 YARD BACK STROKE—Won by Milholland (Y). Duerrstein (A) second; Louisa (A) third. Time—1:11.  
200 YARD FREE STYLE—Won by MacKenzie (Y). Dodge (A) second; Smidl (A) third. Time—2:32.2.  
100 YARD FREE STYLE—Won by Winblad (A). Milholland (Y) second. Ruckberg (A) third. Time—1:01.3.  
FANCY DIVING—Won by Patterson (Y). Manie (A) second; Dodge (A) third.  
180 YARD MEDLEY RELAY—Won by Armour (Duerrstein, Svagdis, Tallafus). Time—1:58.4.

145 pounds—Patterson (A) beat Vesely (M). Time advantage—3:50.  
155 pounds—Schmidt (A) pinned Larson (M). Time—3:31.  
165 pounds—Kreml (A) pinned Mudrek (M). Time—7:52.  
175 pounds—Sumner (A) pinned Cermak (M). Time—8:39.  
Heavyweight—Tullgren (A) pinned Loeffler (M). Time—4:0.  
Exhibition Bouts  
145 pounds—Boberg (A) beat Bronk (M). Time advantage—5:30.  
160 pounds—Popper (A) pinned Dravek (M). Time—5:20.

# SHORT TALK BY KRAFFT STARTS BASEBALL YEAR

Armour Tech's baseball season opened officially a week ago today when Coach Krafft gave a short talk to the aspirants who seek fame on the diamond. The meeting, held in Science Hall after school and attended by some 45 candidates, was a chance for the coach to get a slant on the number of fellows that he has to choose from to make up the squad.

#### Baseball Has Hardships

Starting out his little talk Krafft spoke on the hardship of playing baseball at Armour. Facilities are limited, studies are hard, and it is necessary to sacrifice other activities if a man wishes to play the type of ball that makes a winning team. Yet, despite these drawbacks, Armour's teams in the past have been some of the best, and the present season's outlook is also bright. While the home team has never won the league championship, even though they seemed the best team and lost by unfortunate accidents in inopportune times, yet they have usually come in for second place, and if they beat North Central this year it is held likely that they will take their first top place.

#### Baseball Action Discussed

Continuing, the coach spoke briefly on the various phases of baseball action. He made general suggestions on batting stance, bunting, fielding, and pitching. Questions on various rules were discussed, the infield-fly ball, the third strike, two men on a bag, and missing the bag while running around the circuit. During the meeting both Captain Adamec and Manager Laskiewicz spoke a few words in introduction to the newcomers and expressed some hopes for the coming season.

Last Thursday the first practice for the fielders was held up in the gym, consisting of picking grounders off the floor and running around the room. Tonight another practice session will be held.



By Art Jens

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

Relay time again! Another chance to get on the Armour hour and to broadcast some miscellany on the Eighth Annual Armour Relay Carnival. This meet promises to be bigger and better than any of its predecessors. Armour's meet is definitely big league and in a few short years should gain the status of the now extinct Illinois Relays. To compare Armour's Relays with the Illinois meet is a thing that must be done in sotto voce. But one day when the transition has taken place we'll be the first to say, "I told you so!" Many will join the chorus.

For those who go for that sort of thing: This is your correspondent's 8th relay meet, having acted as a spectator once, a contestant twice and an official five times. Further, this is the 66th time we have written this column since its inception way back in '29.

Men Die and Worms Have Eaten 'Em, But—so to the business at hand: When Lonnie Stagg left Armour and the University of Chicago for duties at Susquehanna he left a monument that will perpetuate itself for many years to come. Reference of course to the Armour Relays. This all started unobtrusively as a small college invitational but like Topsy "it grew and grew" until now the Relay medal is regarded as the highest prize any trackman could win.

#### Classy Field

Records, records, what's the latest in track marks and what can be expected of Saturday's field? Our predictions include new marks in the 70, the shot, two mile university relay, the 440 and 880. Ambitious?

Yes, but look at this: Carleton's Hermin should streak the 70 in close to seven flat; Notre Dame's Don Elser should push the 16-pound ball past the 50 foot mark; Kansas State's quartet of half-milers should negotiate the two-mile relay in close to 7:50; Chicago's sensational Ellinwood should speed the two laps of the 440 in, let us say, :49; and there are several lads who should push Hornbostel's 880 record of 1:56.8 to 1:56 even. Their mighty fine marks to shoot at and they are not entirely out of reach of Saturday's field. Come and see for yourself.

#### Antelope Hop

Broadjumping has been reduced to a state of innocuous desuetude. This has been dictated by lack of space and extreme danger to competitors in attempting to cross high-jump and pole vault lanes in generating steam to make prodigious leaps close to 25 feet. One day, space permitting, this event will be reinstated in the program but by that time Meagher, Notre Dame's suburb jumper, will be a memory with the Four Horsemen, National Championships and other Irish legends.

#### All Armour in 1930

In 1930, perhaps the best balanced indoor track team to wear the A. I. T. colors, won the Relays. Your writer still sports a small gold track shoe indicative of that very impressive and unexpected team victory.

Competition since then has advanced to such a stage that the '30 team would collect few trophies in a field as will take part in Armour's 6th meeting.

#### Lipp vs. Schommer

Last year at the Officials' Dinner at the Del Prado, Joe Lipp, famous grid official, would not join the festivities unless he was favored with a COHASSET PUNCH. In a quandary

# Softball Contest to Open Spring Tournies

In a few weeks, weather permitting, the third annual inter-departmental softball tourney will open the spring season for Tech. Under the direction of Robert Ruppert, intramural manager, the tourney is expected to attain the popularity it has had in former years. The News will serve as a means of announcing pairings and results. Following shortly afterwards will come the golf and tennis tournies, whose prime purposes are to uncover material for the respective teams.

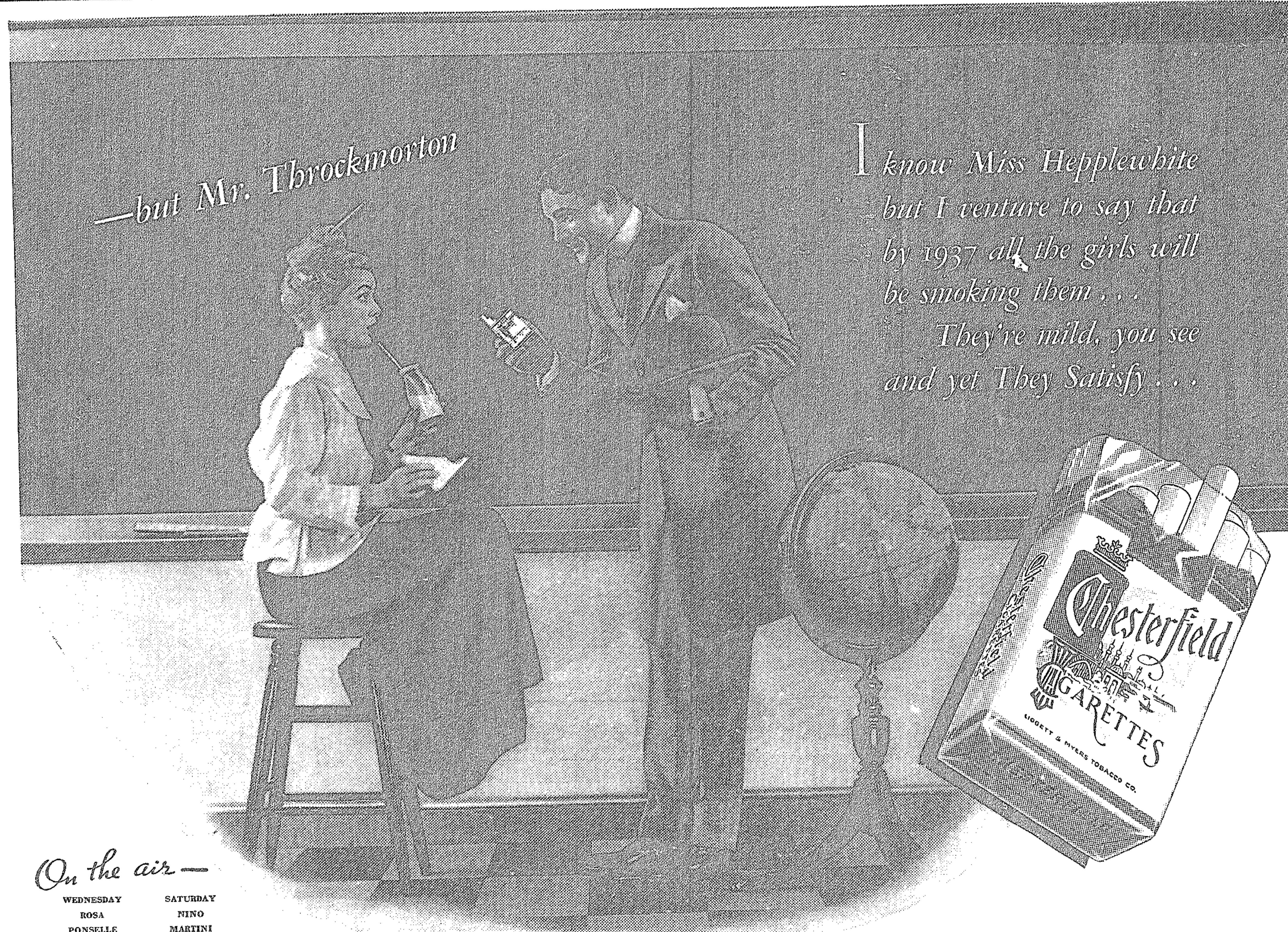
with such a request, John Schommer dug up a slightly used oyster, placed it with a note on some COHASSET and presented said COHASSET PUNCH to Joe as a peace offering. Joe took this gracious offering and to this day the note, written in John's fine penmanship, adorns his trophy room under the heading, "Token of Esteem From an Admirer . . ." Last words, your guess.

#### Do You Remember?

So in conclusion we place ourself at the family Dulcimer and the chant of the Relays comes to mind. The intonations, familiar to any Relay goer are: ". . . in the first lane, Tom Brown, not of Harvard. . . in the second lane. . . etc" . . . the starter's monolog ". . . on your marks. . . get set. . ." the bark of the gun. . . again Cauty ". . . winnah, first heat, 70 yard dash, Tom Brown, still not of Harvard. . ." etc., etc., until the echo of the last gun sounds. The only thing wrong with this is that the family does not possess a Dulcimer and Tom Brown will not be in the field Saturday. Regardless, the Relays are here and we will see you at the Field House Saturday, weather, state of the nation, notwithstanding.

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Sandwiches 5c and 10c  
31st and Michigan

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—but Mr. Throckmorton

I know Miss Hepplewhite  
but I venture to say that  
by 1937 all the girls will  
be smoking them . . .  
They're mild, you see  
and yet They Satisfy . . .



On the air —  
WEDNESDAY ROSA  
SATURDAY NINO  
PONSILLE MARTINI  
KOSTELANETZ ORCHESTRA AND CHORUS  
8 P. M. (C. S. T.)—COLUMBIA NETWORK