



SIDELINES

By William Alt

FREEDOM OF THE PRESS was again upheld by the Supreme Court in a unanimous decision handed down last week. Huey Long's Louisiana newspaper tax aimed at press freedom was stamped out.

A law suit was brought on by nine newspaper publishers contesting the constitutionality of the act of Huey Long's controlled legislature in 1934 imposing a two per cent tax on the revenue from advertising derived by publications with a circulation exceeding 20,000 copies per week.

The court decided that the tax was imposed "with the plain purpose of penalizing the publisher and curtailing circulation of a selected group of newspapers."

THE RECENT results of the two polls conducted by the Literary Digest and The American Institute of Public Opinion have created a nationwide controversy.

The Literary Digest Poll indicated that of the two-million straw votes cast, sixty-two per cent disapprove of the New Deal Policies.

Setterberg Advises Government Service

Declaring that government Civil Service has opened a new field for engineers, W. N. Setterberg, in a talk to the W. S. E. last Friday, brought out the fact that many of last year's civils, all of whom are employed, are working in the Civil Service.

Since engineering, to many, consists of looking for one job while employed on another, the ability to find work is important.

In the business meeting that preceded the talk on employment, a motion was passed, but not made

Chess Club Business Meeting Wednesday

New men and old members are invited to attend the first business meeting of the chess club this Wednesday at 12:20.

Last year's round robin tournament was not finished, but of those playing the most of their games, N. Gerber had the highest score, while B. Wilhelm was second.

Student Body to Hear Dr. Scherger

Dr. G. L. Scherger, professor of history, now on leave from the Institute, will speak this morning at 10:30 at an assembly commemorating the births of Abraham Lincoln and George Washington.

Originally, the talk was scheduled for Thursday, but due to the fact that Dr. Scherger will not be in the city during the latter part of this week, the assembly was advanced two days.

In his talk he will discuss the lives of Lincoln and Washington as connected with present day affairs.

Pi Nu Epsilon Holds Initiation of Pledges

Nine pledges of Pi Nu Epsilon, Armour's musical fraternity, were initiated last Friday evening at the Pi Kappa Phi house.

The men who were initiated are: J. J. Doudera, P. H. Jost, R. H. Knabe, E. A. Krefl, R. M. Lundberg, P. M. Martin, P. R. Schultz, A. J. Strazz, and E. J. Wolniak.

Employment Is Topic at A.I.E.E. Meeting

Employment, and methods usable in attempting to obtain it was the topic on which Mr. W. C. Hall talked before the A.I.E.E. last Friday.

Three points which should be followed in seeking employment were outlined by the speaker as follows:

First of all the applicant should analyze himself; he should find out what line of endeavor he is best suited for and what work he wishes to do.

Add Two Men to "Engineer" Staff

Completing the staff of the *Armour Engineer and Alumnus*, the managing board last week announced the unanimous election of F. X. Popper, comptroller, and J. Harwood, circulation manager, to assist D. Brissman, student editor, who was chosen last semester.

Preparations for the March issue already include an article by Professor Carpenter on "New Metals," and another by a staff member of the Museum of Science and Industry.

CO-OP FRESHMEN STARTING CLASSES UNDER NEW PLAN

Groups of Thirty-eight Will Alternate

Thirty-eight men who are enrolled in the co-operative course are now attending Armour Tech. Thirty-eight others are working now and on April 6 will change places with those who are in school.

No Electives Offered Instrumental in achieving this plan was Thomas S. Hammond, president of the Whiting Corporation, trustee of Armour Institute, and president of the Chicago Manufacturers' Association.

During the year each section of the class, which is designated by A or B, will work twenty-six weeks and attend class twenty-four weeks.

Good Scholarship Required Only high school graduates who were in the upper quarter of their graduating class were eligible for the class which started February 3.

Chemistry Handbook Awarded to Wagner

Each year it has been the custom of Professor Freud to award a chemistry handbook to the most outstanding student in the sophomore organic chemistry class.

After careful consideration, Professor Freud, with the aid of Professor Van Atta, selected E. F. Wagner as the honor student and awarded him the valuable handbook.

Although prizes were not given to N. K. Anderson and W. R. Marshall, they were highly congratulated on their splendid showings.

Wanted: Trousers to Complete Wardrobe

Will someone lose a pair of pants, or must the wardrobe of our lost and found department remain incomplete until green hats are in vogue?

Junior Class To Choose Marshall

Definite plans regarding the selection of the junior marshal and assistants were made at a meeting of the junior class committee last Friday.

Tentative plans were also discussed regarding the junior formal dance which will be held the Friday of junior week at the Medinah Country Club.

A discussion about increasing the Cycle appropriation was made but no definite action taken.

Patent Law Is Topic of A.I.Ch.E. Meeting

Patents and patent law, a new and promising field for engineers, especially chemical engineers, were discussed by Mr. George R. Parkhurst at the A.I.Ch.E. meeting last Friday.

Patent Law Profitable "The engineering graduate who makes his living in connection with patent law," said Mr. Parkhurst,

In addition Mr. Parkhurst mentioned several ways to break into patent law. One way would be to get a federal patent examiner's post through the examinations which are held at various times.

HOLD RECEPTION FOR AUDIENCE AT MUSICAL CONCERT

The forthcoming concert to be given by the combined orchestra and glee club at the Goodman Theatre on February 28 at 8:30 promises to be one of excellent musical enjoyment.

In addition a reception, sponsored by the Faculty Women's Club, is being planned in the foyer of the theatre during the intermission.

ANNOUNCE F. L. LEASON NEW EDITOR; N. GERBER NAMED MANAGING EDITOR

Other Appointments Are J. M. Kubert, Sports Editor; S. Rabinowitz, News Editor; and E. J. Simek, Business Manager

H. O. BAUERMEISTER IS COPY EDITOR

All staff members and reporters are requested to attend a meeting in the offices of the *Armour Tech News* at 12:30 today.

Dodge to Talk on Grand Coulee Dam

"Handling of Materials at Grand Coulee Dam" is the title of an illustrated lecture sponsored by the W.S.E. to be presented at a general assembly next Friday at 10:30 a. m.

The records established during the construction of Boulder Dam which were thought to be lasting have been broken during the short time of one year in the construction of the Grand Coulee Dam.

Fire Protects Hear Talk on Fire Engines

"Motorized Fire Apparatus" was the subject of a talk given by Mr. Abel H. Gent, an Armour graduate of 1929 in Fire Protection Engineering, at the meeting of F. P. E. S. last Friday at 10:30.

Mr. Gent told of one of his early experiences in the testing of a pumping engine. In the testing of the nozzle pressure he asked the firemen to tie the nozzle down, but they did want to appear to be weaklings,

Sophomores to Hold Dance on Friday 13

On one of those unusual days, Friday, March 13, the sophomores will inaugurate their social activities with an informal dance.

What the price of the bids will be has not yet been decided, but Stan Healy, social chairman, assures us that it will be as reasonable as possible.

Climaxing the evening's entertainment at the annual banquet of the *Armour Tech News* last Wednesday evening was the announcement of the new staff appointments.

Other important appointments are Herman O. Bauermeister, copy editor; Franklin D. Hoffert, assistant copy reader; Carl O. Forsberg, circulating manager;

F. L. Leason, the new editor-in-chief, is a junior mechanical, a member of Pi Tau Sigma, is class secretary, is an active member of the Glee club and of the A. S. M. E., and has worked for the *News* for two or one-half years.

S. Rabinowitz, a junior civil, has been working on the paper for a year and a half, and is a member of Rho Delta Rho and the W. S. E.

Inter-Fraternity Dance on March 7

Featuring the music of Charlie Straight and his orchestra, the first annual inter-fraternity dance will be given March 7 in the Tropical Room of the Medinah Athletic Club.

The Tropical Room with its palm trees and truly southern atmosphere is expected to prove especially pleasing to the Greeks of Armour.

About 80 couples, comprising social fraternity men and stray Greeks of Armour, will attend the supper dance, according to G. L. Savidis, dance chairman of the inter-fraternity council.

Student Talks Given at A.S.M.E. Meeting

Three students presented talks at the last meeting of the A.S.M.E. on February 14.

At the meeting a proposed three day inspection trip was discussed but no action taken.

Armour Tech News

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Vol. XVII FEBRUARY 18, 1936 No. 1

Keep Worthy Ideas

This issue of the News is the first put out under the direction of the new staff. In any organization, in particular a newspaper, a change of staff brings a change in ideas...

The duties of the new staff, to serve the students, whom they represent, to present all the facts unbiased, to maintain the quality of the news and feature matter, and to improve, where possible the literary style of the articles.

In regards to our policies, we believe in publicizing the important position Armour Institute plays in training future business and technical leaders, and in fostering complete cooperation among members of each class and between classes...

The fact that there are seventeen retiring members, is alone significant for the seniors. Through the efforts of the old staff, the quality of the news articles has improved, an editorial position of neutrality has been maintained...

The last acts of the retiring managing board have been to issue press passes which will identify each member of the staff. The old managing board has been dissolved and an editorial board was appointed.

The responsibilities fallen on our shoulders are many; however, in the past two years, under the leadership of the former editors, R. R. Johnson and E. N. Searl we have gained the experience necessary for carrying on the fine work of the Tech News.

Co-op Course

With the beginning of the new semester, the new cooperative course is in operation, and critics will have a chance to see how it works. This plan was originally intended to become an extra source of income for Armour; however, as the idea formulates, it is easy to find a more altruistic motive.

A large percentage of the seventy-six students in the course would not otherwise be able to attend college, and the few who find the method a more convenient way of financing their education are not over-burdening the Institute's already overtaxed loan fund, scholarship fund, and student employment services.

The problems met with have been many and there will be new problems cropping up all the time. T. S. Hammond of the board of trustees and the Chicago Manufacturers Association has been instrumental in securing the cooperation of the thirty-six manufacturers represented.

To allay some criticism directed toward the course we point out the fact that a majority of the men are high school graduates who have been working with their respective organizations from one to seven years. They have been selected

The Slipstick

Cleave to "The Slipstick": let the Slapstick fly where it may. "Well this semester I'm going to work hard, going to turn over a new leaf. No more dates. No more movies. No late nights. I'm going to work five hours a day after school. No more of this putting things off till the last minute. What? Sure, I can get the car tonight! What time will I meet you?"

Old lady (to Frosh who offered her his seat): "Thank you, son. You're a real gentleman." Miserable Frosh: "Oh, that's all right. This week is pledge week and I can't sit down anyway."

Popular Songs Classified Junk Song: "I feel like a feather in debris." P. Popper goes to sea: "Red Sails in the Sunset." Whiskey transported by plane: "Moon Over Miami." Cracked harp: "Broken Record." Rotary Harmonics: "Musie Goes Round and Around."

An Architect's Idea of Humor "I gave my dog a bone and deteriorated." She got mad and called him Mr. Not because he went and Kr. But because the night before, This same Mr. Kr. Sr.

Listen you Armour students, we had a contest in the Slipstick once upon a time about several weeks ago, offering a fur-lined bath tub to the person who sent in the oldest joke. Evidently you didn't think it was in earnest. We herewith repeat the rules, and request that you send in a reply. The prize will be a small fur-lined bath tub, as previously announced. This is not a hoax, but a real contest. Here are the rules, somewhat altered. The contest will be for the worst joke.

- 1. All entries must be in the news box in the lobby of the main building, or in the basket in the Tech News office by 5:00 P. M., Friday, February 28, 1936. 2. A copy of the Slipstick, or a reasonably accurate facsimile must accompany each entry. 3. All persons are eligible except employees of the Armour Tech News and their families. 4. The opinion of the judges must be accepted as final. The prize will be awarded to the person sending in the worst joke, or humorous poem.

DUMB BELLS

strophe The Armour chimes will ring at times When they are least expected. You'd never even go to class If by them you'd be directed.

antistrophe The bells you hear are very queer, To tell the truth they're dizzy. Sometimes they do not ring at all And other times they're busy.

epode No one knows nor seems to care, Just why we have those noises. Our unstrung nerves their wranglings wear Their shrill sharp tone annoys us.

DIPPY DIALOGUE

Tort: Don't spit on the floor! Retort: What's the matter, does it leak? Tort: This match won't light. Retort: What's the matter with it? Tort: I don't know, it lit a minute ago. Retort: Why did you ask for a glass of water when the barber nicked you with a razor? Tort: I wanted to see if my neck leaked.

Another One on the Same Order Baa baa, black sheep, Have you any wool? Sure you darn fool; What do you think I am, a duck?

In parting, let us say this: This is your column, and if you like it, that's fine, tell your friends. If you don't, instead of complaining, send in a few contributions. Or, as Harvey T. Woodruff might say, Help! Help! Help! Con-Fu-Tse.

by their employers and accepted because they had an excellent high school record. A few February graduates were fortunate enough to find jobs and therefore enabled to take the course.

It remains to be seen whether a man can carry a double period of math with its attendant homework, along with twelve hours a week in the drafting room and a third subject. From the complicated arrangement of the curricula, one can easily see where any failure would practically force a student's withdrawal from the program.

Participation in extra-curricular activities presents another problem. Although the student will probably have enough to keep him busy, if interested he is eligible to participate in all extra-curricular activities. However, the eligibility requirements of athletic teams and certain demands for time by other activities will naturally eliminate the co-op student from participation. The second group will start next February and upon the outcome of the first venture depends the probability of further extensions.

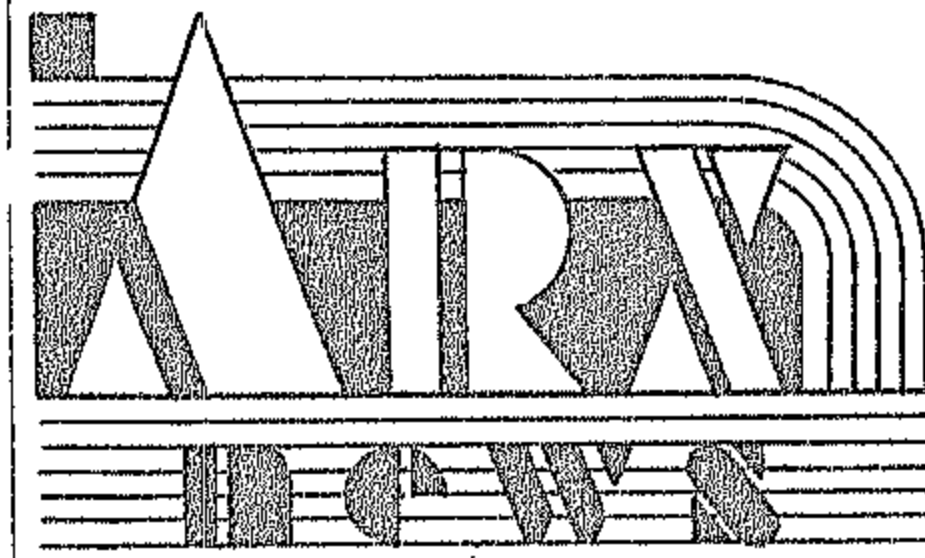
STUDENT OPINION

Noise in Library

It seems to me that the library of an educational institution should be a place where members of the student body can go to do some serious thinking or study without suffering undue interruptions. This is not true of the Armour library. Anyone going in there to do some serious work in the hope that he will find quiet is due for a sad awakening. The place is more like a lunch room rather than a library, lacking only the clatter of dishes to make the din complete. There is a constant buzzing of voices; groups of students getting together at a table and holding a confab, not whispering, but in ordinary conversational tones, and generally making a nuisance of themselves in the manner of little children. Only this afternoon, in a 15 minute period, the librarian spoke to three groups about unnecessary noise, even going so far as to eject one group. This served to quiet the others, but not for long, the din starting immediately after her back was turned.

Now college students are supposed to be out of the adolescent stage, and able to do a bit of thinking. If these students who think the library is a place to hold confabs would use what little brains God gave them, and consider the students who want to study, they would hold their gatherings in the lunch room or on the athletic field. Here they can talk and yell as loud as they please without bothering anyone.

E. Shulman.



Say, who brought up the subject of the recent ARX DANCE? In the first place, we do not like post-mortems any more than you do, especially upon such affairs as the CHARETTE, which is dead and was dead and is now buried. But, as it is, we noticed very many persons who were having one swell time, well at least one or two persons, in fact we had to tell Canningham and Woolsey about the good time they had. We could not ascertain whether or not Harry Beckwith, Esq., who looked as though he had a broomstick in his coat and "seven league boots" on his feet, enjoyed himself. Among the other fancy steppers was Al Rosen, who had to be literally dragged to the dance and then dragged away, as was the case with many others. At any rate the DANCE was a great social success as you no doubt have noticed, but that is as far as it went. Speaking about things already dead and buried makes us wonder why BILL CONCOLINO is still working on the summer problems for A CANOE CLUB. Seems strange that a track man of Bill's noteworthy ability is not able to catch up with himself. He is either very late with last summer's problem or he is getting a head start for the next one, which is not such a bad idea.

Wonder what happened to Vic Chiopper, who was recently sporting a new shiner (around his eye). When asked about it, Vic would say, "Boy, but you should see that door!" But what we think really happened was that he was shadow boxing and forgot to duck. We'll bet on the shadow.

It must have been extremely difficult but JOE WAGNER did it. Since the arrival of the new freshman co-ed, Joe has made a superb, manly effort to keep himself as scrupulously neat and tidy as possible. He has even lost some of his gruffness and is now as amiable and gentle as a lamb. He no longer uses harsh words and has toned down his "Allright-boooys" so that he sounds like R. P. L. Expect to see lace curtains as we come in some morning.

Now, we may as well add a word of welcome to the new freshmen, co-ed and otherwise, who have just entered this "academy for learning stuff" and which, in spite of its looks, is not such a bad place. As Shakespeare would have said if he had thought of it, "In time one can get used to anything," and now all we can say is "Verb. sap."

TOM TAX.

Gas Analyzer Loaned For Use in Auto Lab

Mr. D. S. Dickey, M. E. '34, recently loaned Armour Institute a Hayes-Orsat apparatus for use in the automotive laboratory under the direction of Professor Roesch. The apparatus is the latest type of gas analyzer, and will be used to test exhaust gases for carbon monoxide, carbon dioxide, oxygen, etc.

Through arrangements by Mr. T. Routh of the J. W. Murphy Company, Dr. Dickey demonstrated the Hayes-Orsat gas analyzer before the night school class in Diesel Engineering at the close of last semester.

W. S. E.—

(Continued from page 1) official as yet, opening membership to the society to sophomores and students in all other departments.

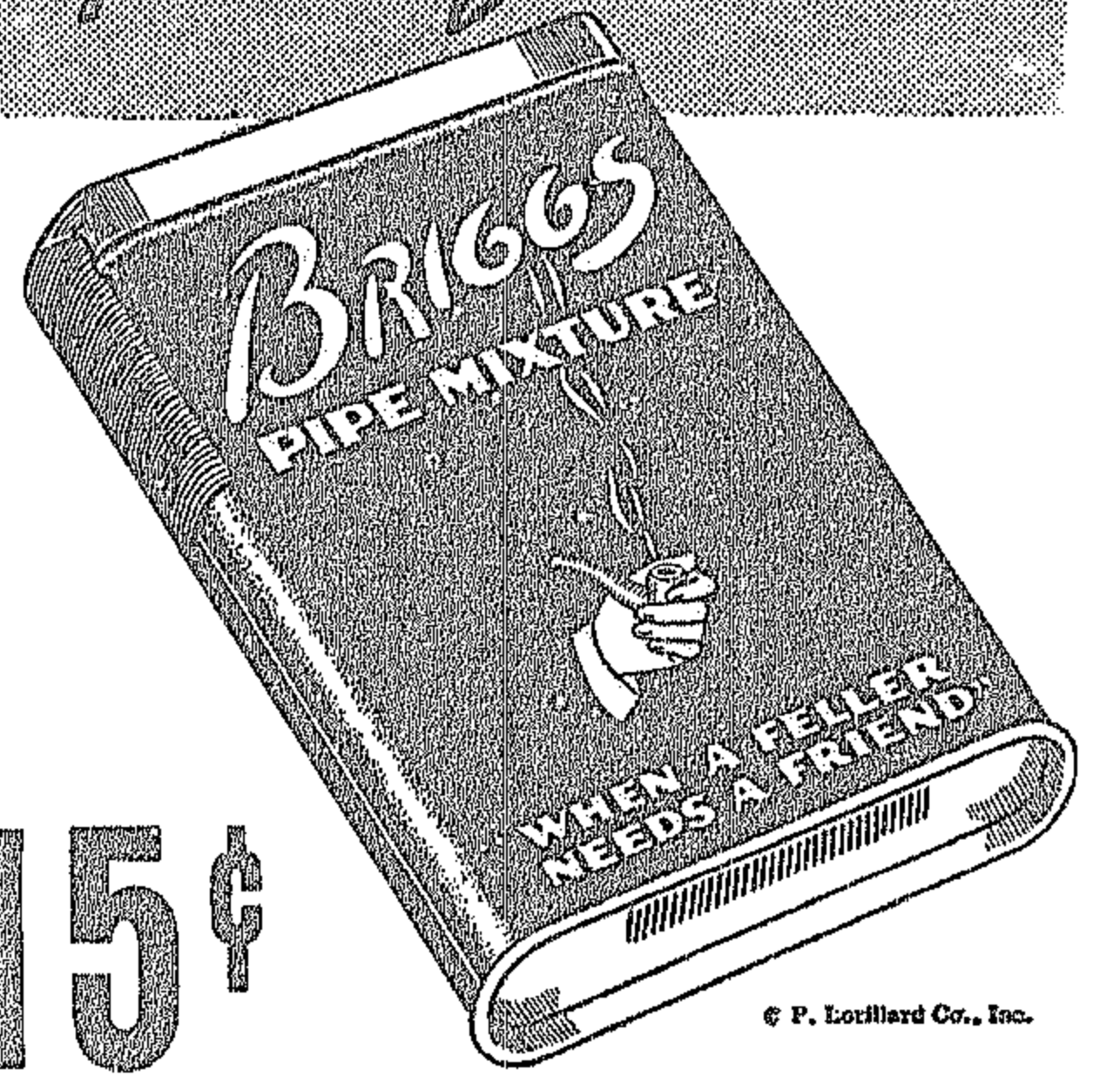
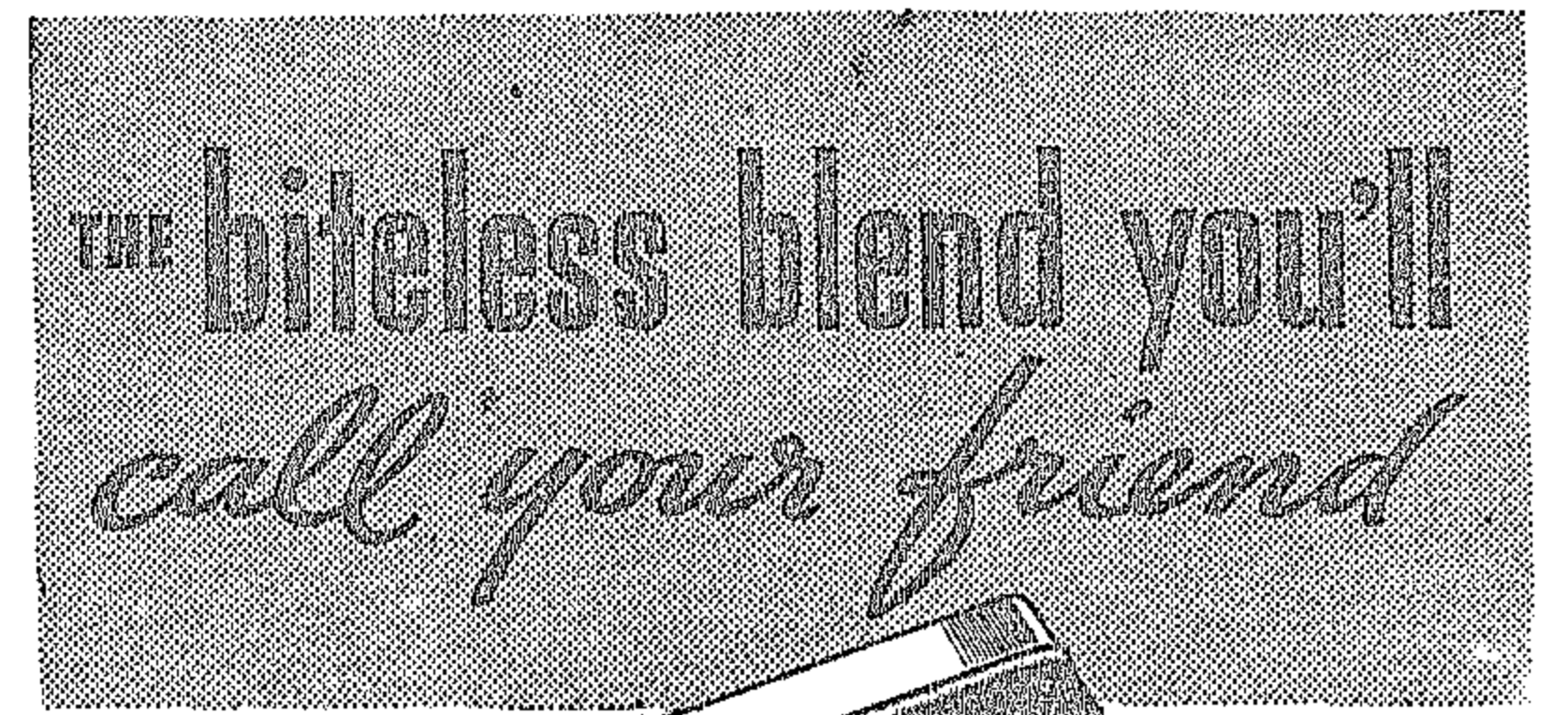
T. M. Ramotowski, president of the W.S.E., announces that the following program has been arranged: February 21: G. Dodge on the Grand Coulee Dam.

February 28: J. Fleming, "Fire Protection in Building Construction," in conjunction with the F.P. E.S.

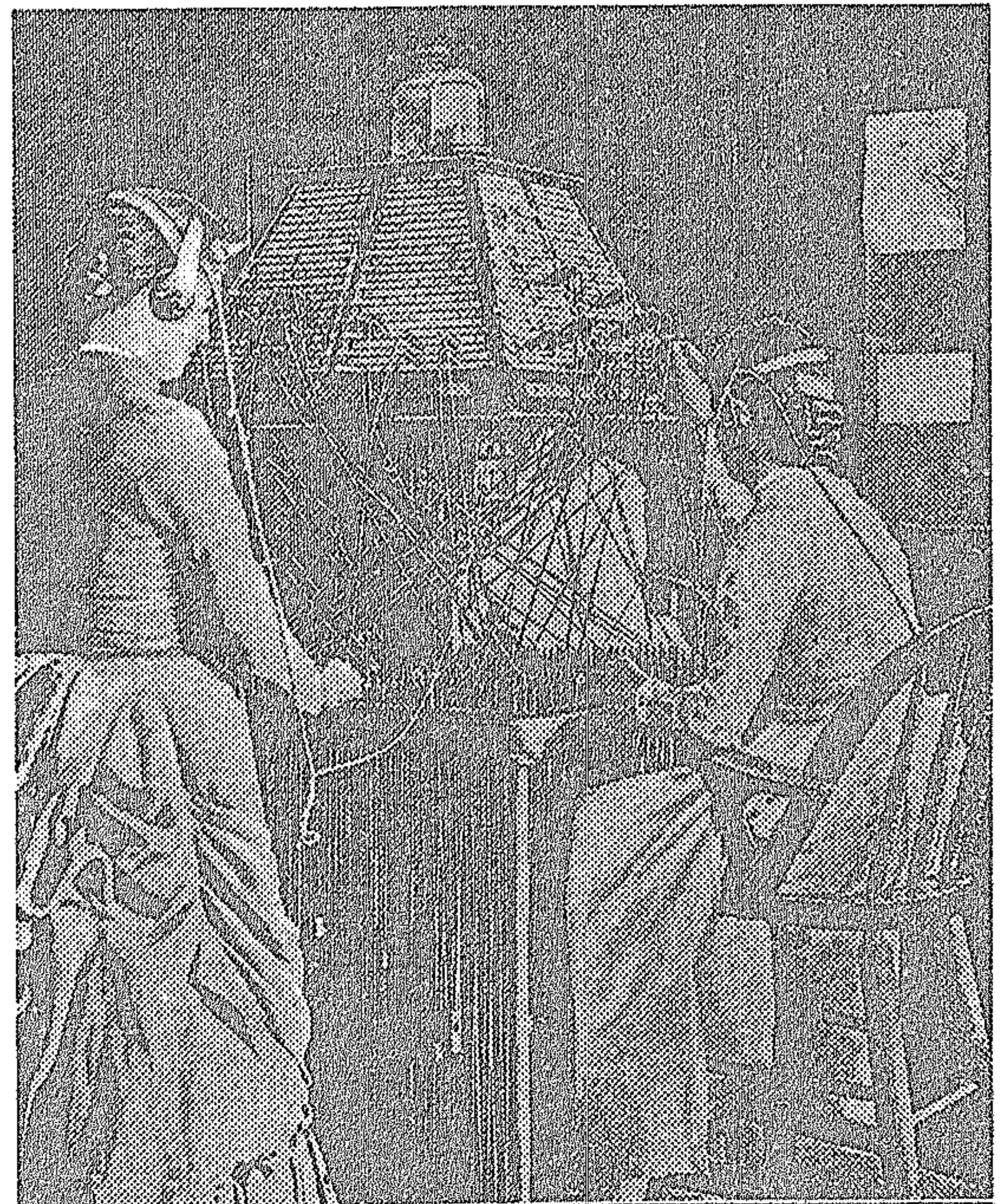
March 13: Dr. A. M. Briswell of University of Illinois, "State Water Supply."

March 20: C. Carlton, "Reinforced Concrete."

March 27: T. Rowe, "Chicago Bridges."



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"Newfangled invention" makes good

"Can you really talk through a wire?" people still asked when this telephone switchboard went into service back in 1881. Apparatus was crude—service limited—but the idea was right. It took hold in spite of ridicule. Today there are more than 13,000,000 telephones in the Bell System—telephone conversations average 60,000,000 daily—the service is faster and clearer than ever. Telephone growth and improvement will go on. For Bell System men and women work constantly toward one goal: enabling you to talk to anyone, anywhere, anytime.

Why not call Mother and Dad tonight? For lowest rates call by number after 7 P.M.



BELL TELEPHONE SYSTEM

Fellowships Offered To June Graduates

Covering the bulletin boards are many announcements of fellowships offered by numerous schools throughout the world; these bulletins, unnoticed for the most part, should be of interest to seniors graduating in June.

Virginia Polytechnic Institute offers 52 fellowships, and 15 assistant teaching positions. The American Scandinavian Foundation is offering traveling fellowships for graduate study in Scandinavian countries. Several fellowships and graduate scholarships are being offered by Massachusetts Institute of Technology. Rensselaer Polytechnic Institute announces 12 fellowships. 15 graduate fellowships will be given by the Bureau for Street Traffic Research of Harvard University. Northwestern University will award 25 appointments to fellowships, graduate assistantships, and scholarships in the school of Commerce and Economics for the year 1936-1937.

News Banquet

(Continued from page 1)
The new sports editor, J. M. Kubert, has been with the sports department for two and a half years, is a member of the Players and of the fencing club. E. J. Simek has also worked with the paper for two and one half years as business assistant.

With Professor Hendricks as faculty advisor, F. L. Leason, N. Gerber, J. M. Kubert, S. Rabinowitz, and H. O. Bauermeister will compose the editorial board and determine the editorial policy of the paper.

Seventeen Retiring

After reading the list of retiring seniors, numbering seventeen and including R. R. Johnson, F. D. Cotterman, J. O. Larson, C. L. DuSelle, R. S. Kercher, G. A. Zwissler, J. J. Doudera, M. B. Stevens, W. S. Hamlin, R. H. Knabe, V. J. Kropf, J. Galandak, E. R. Johnson, A. M. Lane, A. S. Majereik, and N. Balai, R. R. Johnson, the master of ceremonies, called on J. O. Larson, the retiring sports editor, who commended the untiring efforts of Johnson in his important capacity.

Professor Hendricks, who followed, thanked the men leaving the staff for their commendable work in putting the paper in its present status, and then introduced the principal speaker of the evening, Mr. Llewelyn Jones, who worked for twenty years on the Chicago Evening Post, as editor-in-chief of its literary supplement; when this paper ceased to function he served as a reporter on a Hearst paper for a short time, and at present is an editor for a publishing house in the city.

Relates Newspaper Experience

Mr. Jones, a humorous and entertaining speaker, told of his "Hearst interlude," citing some of the strange policies of this paper and describing the kind of reporters employed. He stated that American writing was of amateur quality; one can find the same calibre of reporters in colleges.

Later he spoke of various angles of the publishing business, stating that the enterprise was at best a gamble, because America is backward in the habit of buying and reading books. Then again far too many people think they can write books, the majority of them attempting to give a cure for the depression. Some problems encountered in writing and publishing a novel were also presented.

The program closed with the official "handing over of the keys" to the new editor-in-chief.

Planetarium Visited by Astronomy Class

Although the astronomy class had planned to visit the planetarium early last semester, the trip was made on the Wednesday of the last final examination. Most of the astronomy class, under Professor Penn, and several other Armour students made the trip.

A visit in the basement was made in the hour preceding the lecture. During the lecture, practically the entire course was reviewed, and in addition, the questions at the end of the lecture led to operation of the marvelous machine for another hour.

Co-Op Course

(Continued from page 1)

facts prove that a man must get his own job and then apply for the course.

Those industries cooperating in this new course are Acme Steel Company, W. D. Allen Manufacturing Company, American Can Company, American Steel Foundries, Belden Manufacturing Company, Buda Company, Container Corporation, Dauby Machine Specialties, Delta - Star Electric Company, General Electric X-Ray Corporation, Goodman Manufacturing Company, Great Lakes Forge Company, Illinois Tool Company, Inland Steel Company, W. H. Jones Foundry and Machine Company, Link-Belt Company, Lyon Metal Products, Marblehead Lime Company, Miehle Printing Press and Manufacturing Company, Pyle National Company, Republic Steel Company, Stewart Die Casting Corporation, Sullivan Machinery Company, Union Special Machines Company and the Whiting Corporation.

This year's class is closed and it will not be increased beyond the seventy-six who are enrolled. An opinion has been expressed that perhaps some student who was forced to drop out of school can fill the vacancies which may occur, when some man finds it necessary to drop the course, but there is no definite plan and vacancies may not be filled at all.

The men now in school are taking English 101, mathematics 101, and machine drawing. They will complete in eight weeks what the regu-

Four Seniors Placed Through Interviews

Of the three sets of interviews occurring during the examination period, four results have been obtained thus far. W. G. Rundel and D. C. Harris, senior mechanicals, and R. Knaus and D. Graham, senior electricals have obtained jobs with the General Electric Company. These men will attend a training school in Schenectady in connection with their work. Last year only one man was selected.

While a decision has not been received from the Armstrong Cork Company concerning an interview made two weeks ago with eight senior chemicals, it is probable that one or two men from Armour will be selected among five graduates from the mid west schools for positions with that company. The starting salary will be one hundred and twenty dollars a month.

In the years preceding the market crash in 1929 it has been a custom of a number of large concerns to pick the promising graduates of various schools. The fact that this practice is being resumed may mean an upturn in the financial status of business.

lar student completes in eighteen weeks. Those who are interested in the course are urged to find jobs with the cooperating companies first and then make an application for enrollment. The next class will begin next February, and if present policies are carried through, the same number will be enrolled next year as were enrolled this year.

F. P. E. S.

(Continued from page 1)

the inspector should insist on the nozzle being tied down when tests are made.

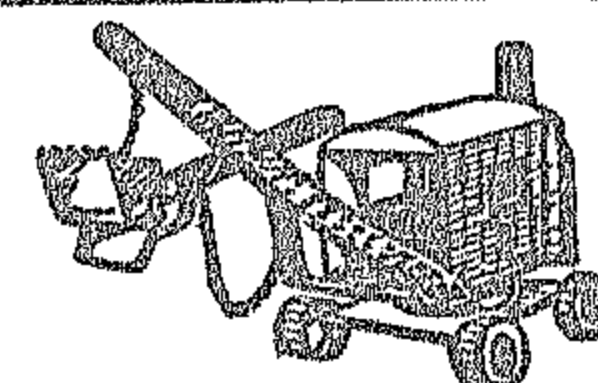
In his talk, Mr. Gent mentioned some various types of motorized apparatus and then described fully the working and specification of a "pumper" which is the prime extinguishing apparatus of a fire department. The duties of a pumper are: carrying about one thousand feet of regular hose, supplying small stream equipment, and operating the pump.

Pumpers are rated by the National Board of Fire Underwriters according to the number of gallons per minute at 120 pounds pump pressure. Nozzle pressure varies with size of nozzle, length of hose, and pressure, so firemen have to be able to calculate at the scene of the fire the pumping pressure needed to furnish about fifty pounds nozzle pressure. Friction loss in a two and one-half inch hose per hundred feet varies from four pounds for a three-fourths inch nozzle to twenty-five pounds for a one and one-fourth inch nozzle. From this it can be seen that the usual fifty or sixty pound hydrant pressure is often inadequate.

Three kinds of pumps are used: rotary, centrifugal, and piston types. The centrifugal pump runs at about twice the engine speed, while the piston and rotary pumps operate at one-half of engine speed.

Mr. Gent explained the various National Board requirements for the engine and told of the tests to which each type of engine and each individual piece of equipment are subjected.

THE STEAM SHOVEL



As to what happened to SNOONIE we found that Professor NASH has adopted her.

Professor Hendrick's freshmen keep the classroom door wide open these last few days just in case he gets violent. It all started when he asked them if they wanted a quiz.

Was it HAEGER, the great lover, who sent Annabella the beautiful valentine she recently received? It seems the adage about the quickest way to a man's heart being through his stomach is true.

What president of the sophomore class wears long underwear? Or is it a pair of spats that shows beneath his pants legs?

KAMPUS KUTUPS
W. J. Chelgren and "EEjay" Pleva playing "G" man out in the

BILL ECKROAD'S
SANITARY BARBER SHOP
3 Barbers—No Waiting
Cigars—Pipes—Cigarettes
Pocket Billiards
114 E. 31st St.

snow. You'd think that by the time a fellow goes to college, he—oh well! Children will play.

WARNING! Don't bring your girl down to Armour or Monty MacConnell will steal her from you. If you are in doubt ask Bill Emmerich about "Katushka."

Why did that beautiful blonde try to get a picture of WOLNIAK at the Monfort Studios last week? We suspect blackmail, Ed.

We quote from the personal column of the Chicago Daily News: "H. O. B. come home, Sally, Grace need you."

Bauermeister, why don't you go home?

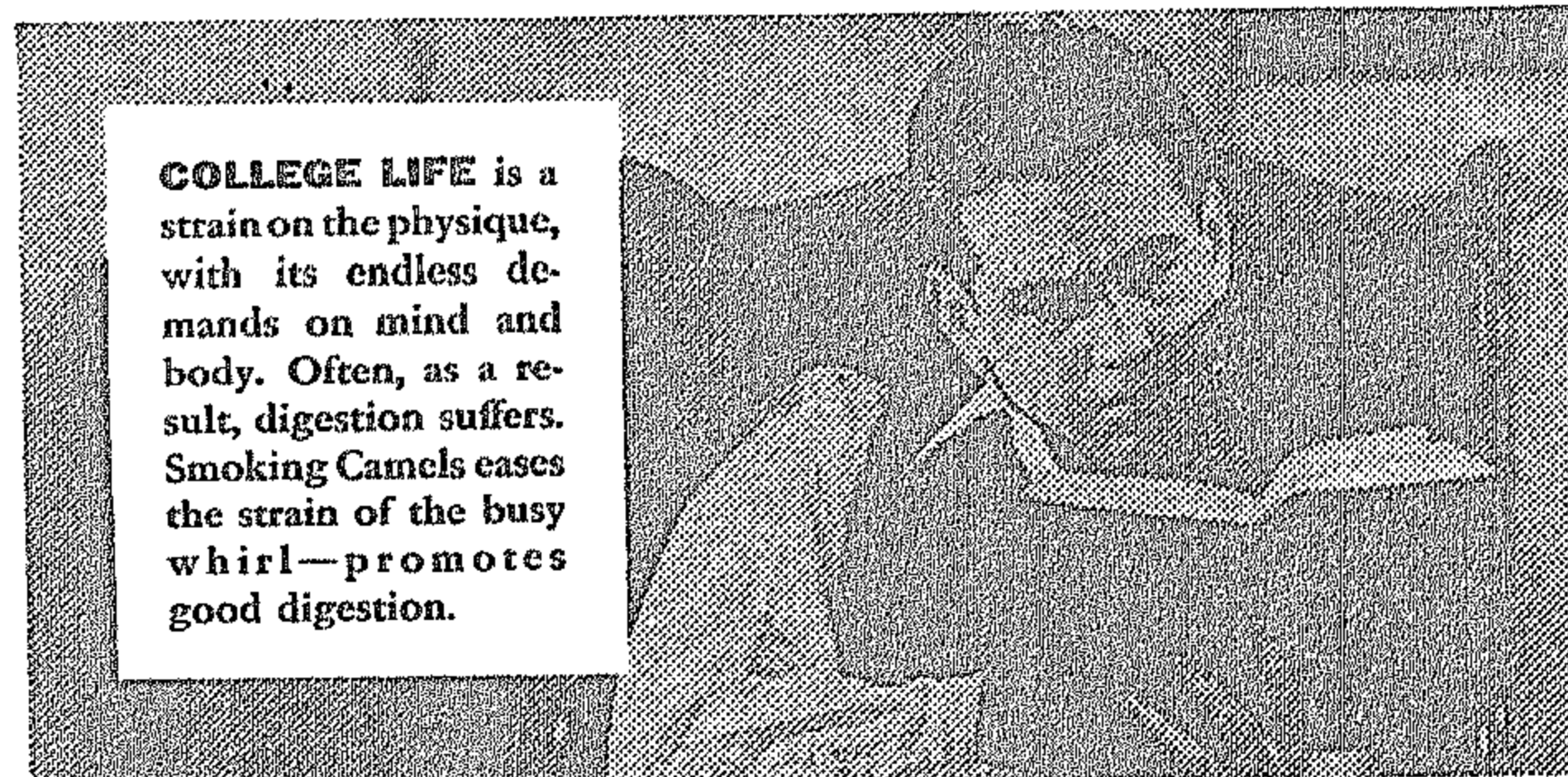
Another item is Schlifke's sotto voce query in Prof. Tibbals' freshman chem. lecture: "What does he mean water?" Which nearly disrupted the class.

The effervescing brunette who rode with FRANCIS X. POPPER on the "L" the other day was telling him that he really ought to learn to dance, when she got off at Twelfth street, from the impassioned look on FRANCIS' face, we suspect that if she had stayed on 'till Thirty-third street, a second Fred Astaire would be made.

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

For Digestion's Sake—smoke Camels

Natural digestive action notably increased by smoking Camels



COLLEGE LIFE is a strain on the physique, with its endless demands on mind and body. Often, as a result, digestion suffers. Smoking Camels eases the strain of the busy whirl—promotes good digestion.

People in every walk of life get "keyed up"...live too hurriedly. The effects on digestion are known to all! In this connection, it is an interesting fact that smoking a Camel during or between meals tends to stim-

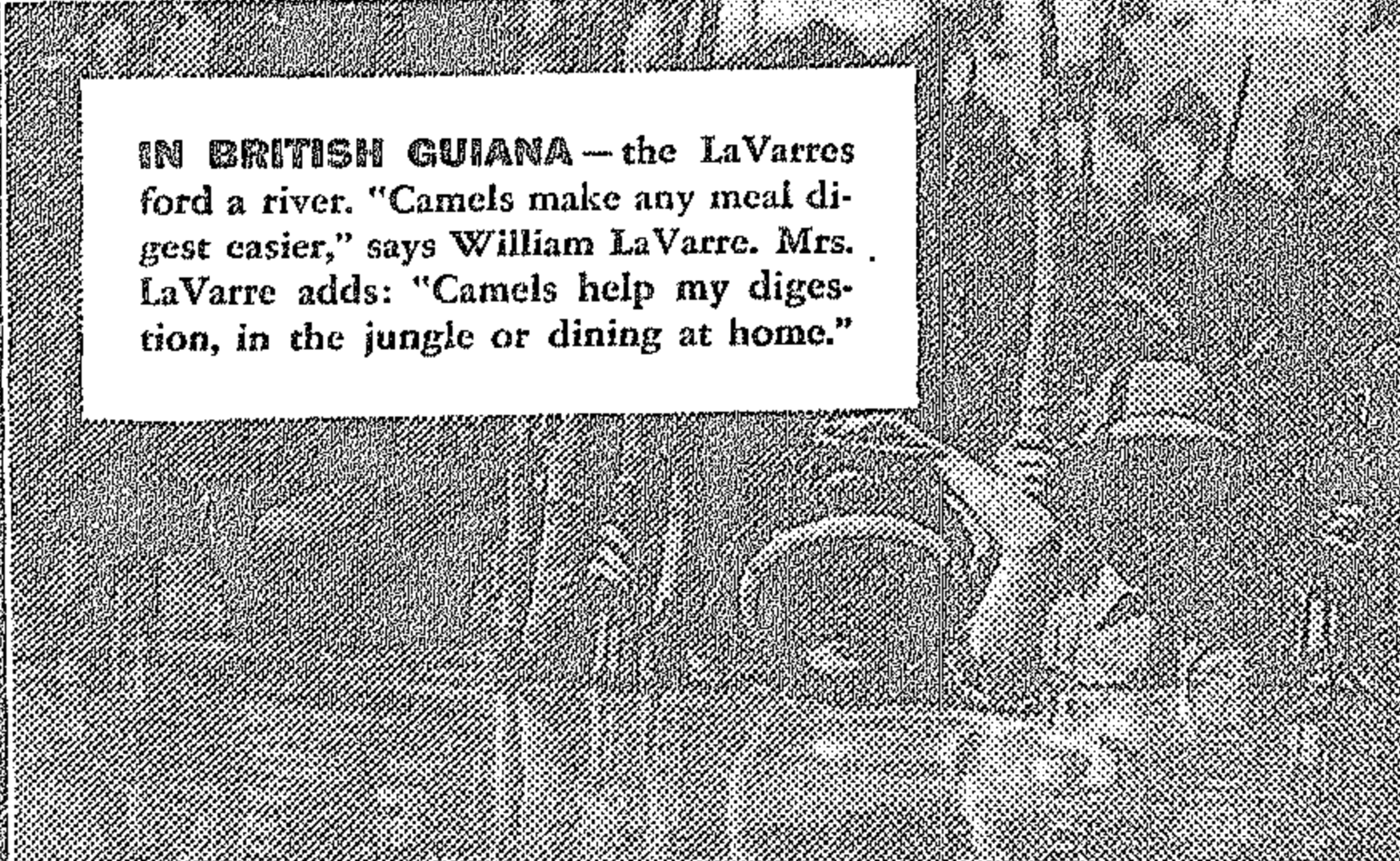
ulate and promote digestion. Enjoy Camel's mildness... the feeling of well-being fostered by Camel's matchless blend of costlier tobaccos. Smoke Camels for digestion's sake!

Copyright, 1936, R. J. Reynolds Tob. Co., Winston-Salem, N. C.

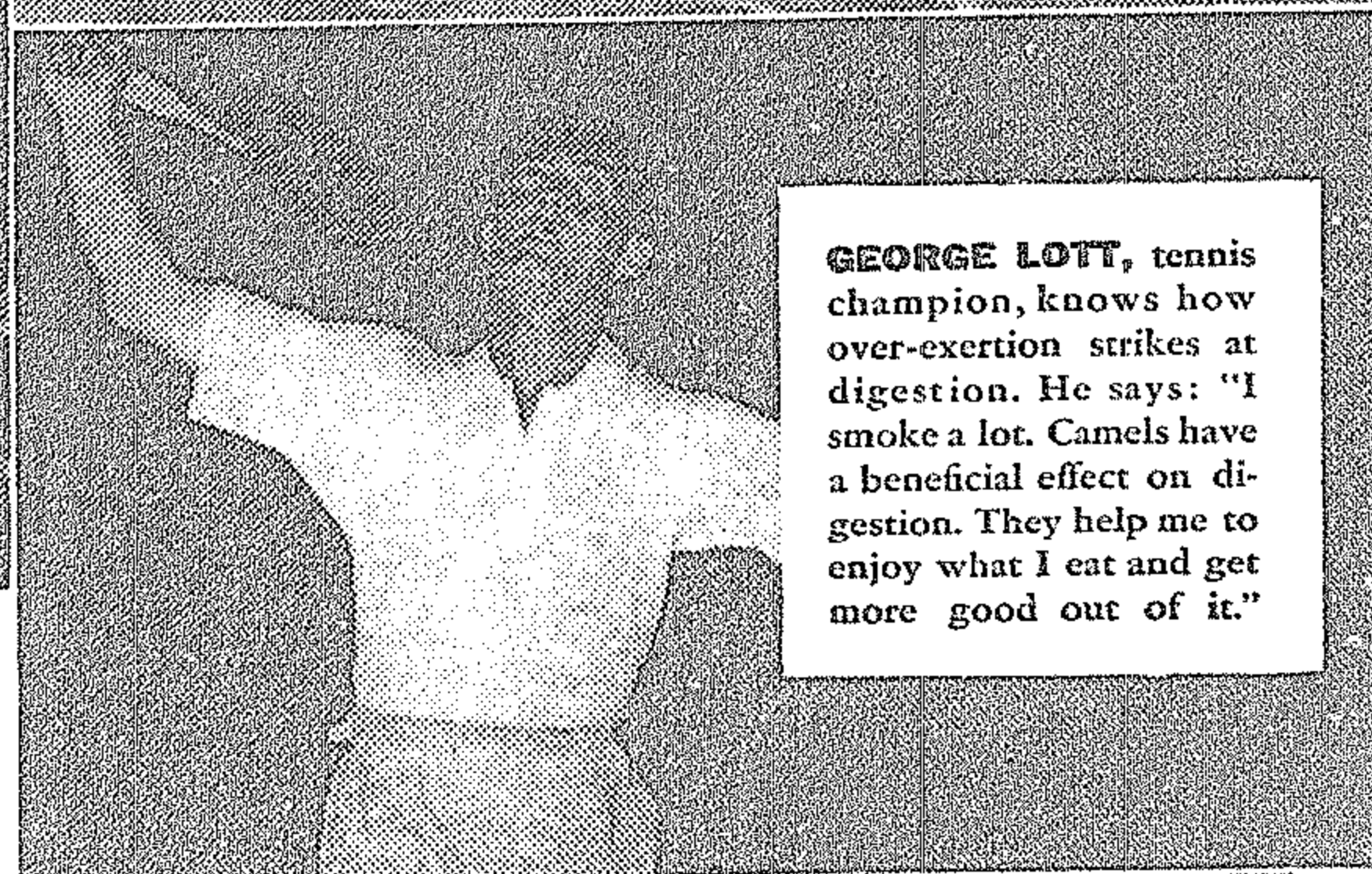


GUESTS AT KUGLER'S, grand old Philadelphia restaurant, renowned for two generations, are shown above, as they enjoy choice foods. William, of Kugler's, who presides over the famous dining room, is speaking to one of

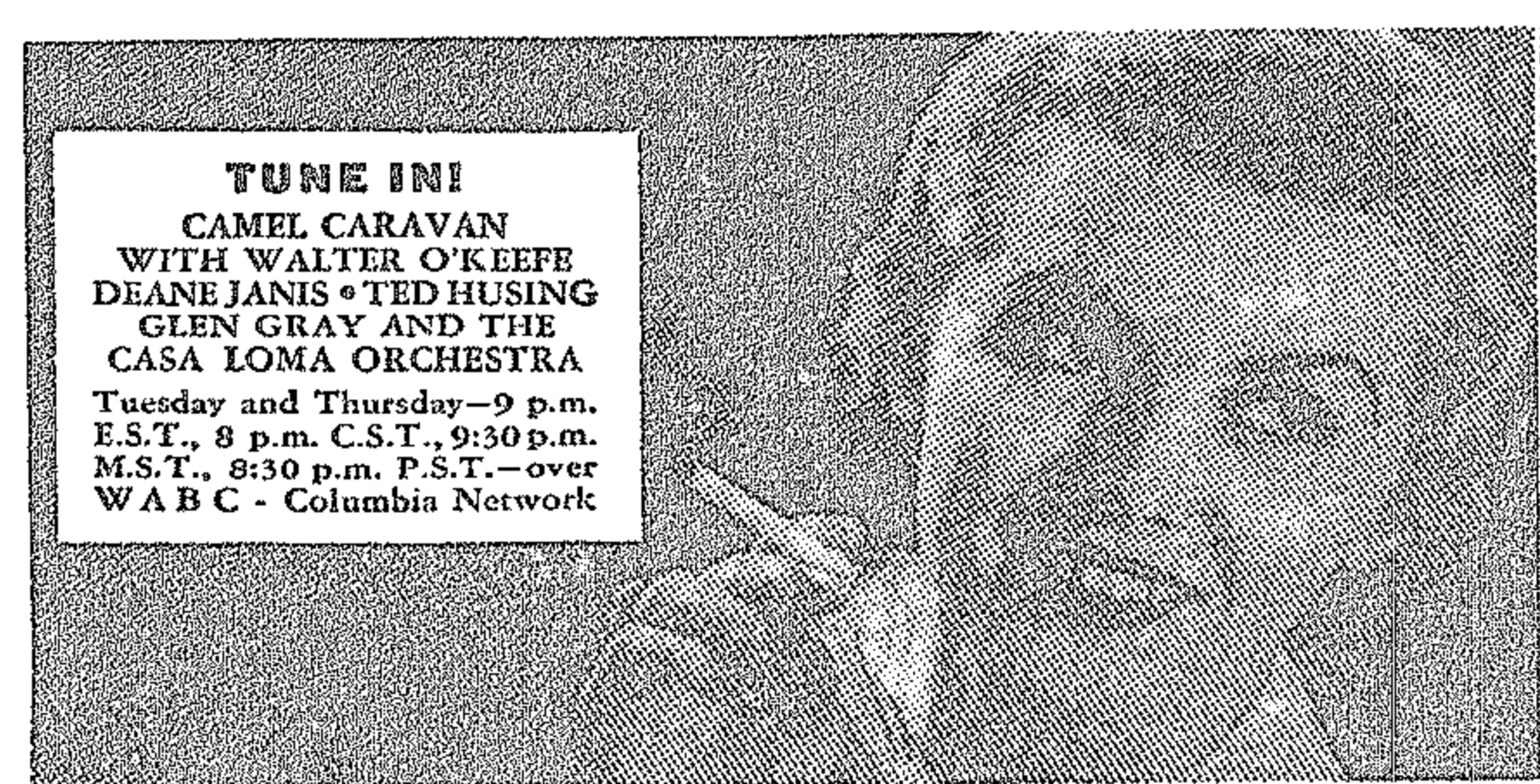
the diners. William says of Camels: "Camels and good food go together. Our patrons naturally prefer quality tobaccos, judging by the popularity that Camels enjoy here. So we try to keep well stocked with Camels."



IN BRITISH GUIANA—the LaVarres ford a river. "Camels make any meal digest easier," says William LaVarre. Mrs. LaVarre adds: "Camels help my digestion, in the jungle or dining at home."



GEORGE LOTT, tennis champion, knows how over-exertion strikes at digestion. He says: "I smoke a lot. Camels have a beneficial effect on digestion. They help me to enjoy what I eat and get more good out of it."

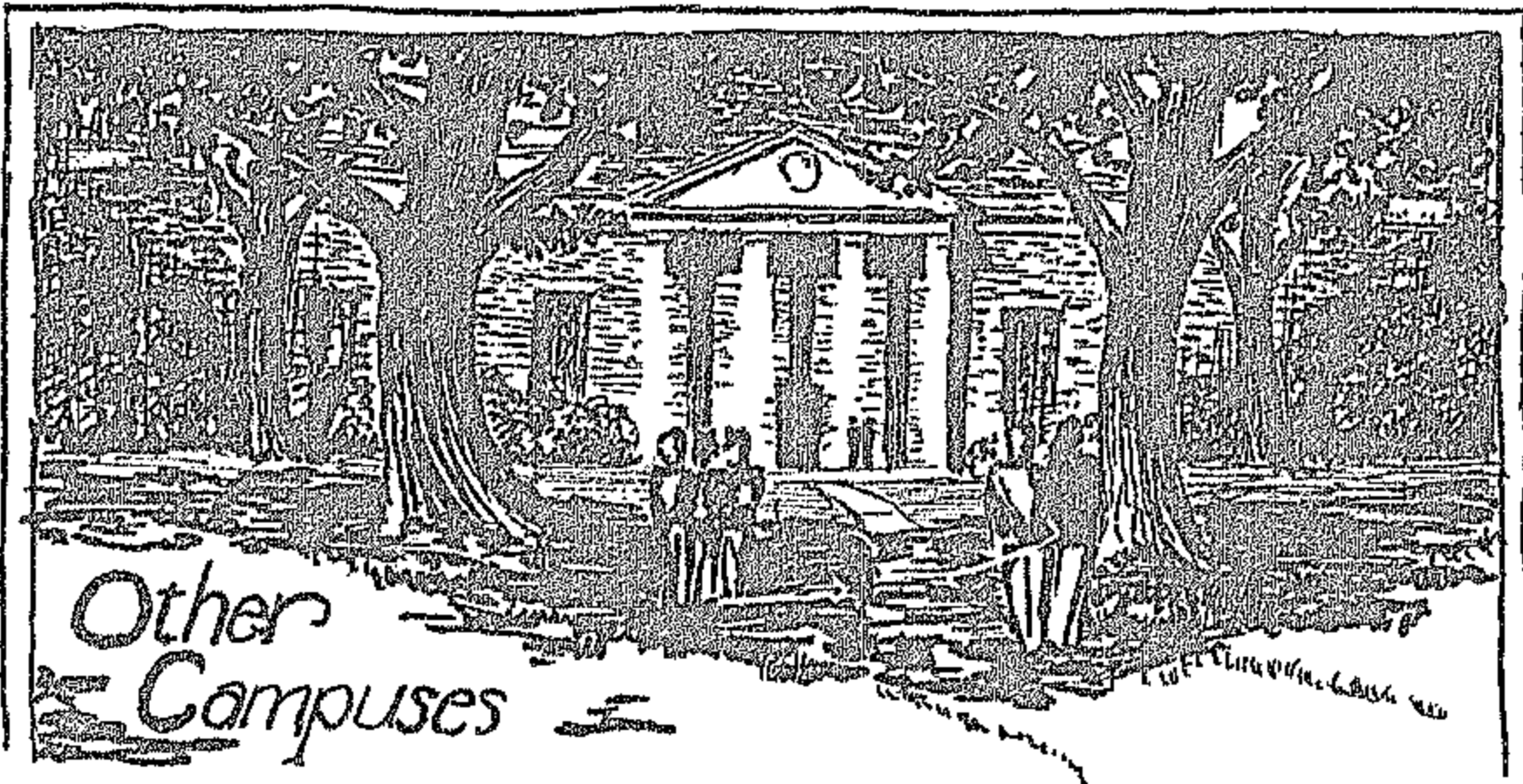


TUNE IN
CAMEL CARAVAN
WITH WALTER O'KEEFE
DEANE JANIS • TED HUSING
GLEN GRAY AND THE
CASA LOMA ORCHESTRA
Tuesday and Thursday—9 p.m.
E.S.T., 8 p.m. C.S.T., 9:30 p.m.
M.S.T., 8:30 p.m. P.S.T.—over
W.A.B.C.—Columbia Network

COSTLIER TOBACCOES!

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





By T. H. Watts

According to the Daily Athenaeum, student publication of the University of West Virginia, the average person who reaches the age of 70 years, spends 23 years sleeping, 13 years talking, 16 years eating, 23 years in pleasurable activities, and a year and a half working.

Slips That Pass in the Night!—Advertisement in Mississippi State College Reflector—"Pickled Pigs' Feet. We Put Up Our Own."

Bob Kiphuth, Yale's swimming coach has resorted to diving helmet and vest to get a "fish-eye view" of his squad in action. He recommends it and has used the plan all season.

"Five meals a day" advocate two Yale University scientists. . . . Men have been elected to the presidency on less appealing slogans.

The University Daily Kansan has adopted the policy of printing the names of professors who keep their classes overtime. . . . On to a bigger, and maybe better, paper!

At last it has been settled. The Kansas University's debating society decided in their debate Jan. 8 that the Ford expedition to Europe to stop the war was a failure.

Although blind for 25 years, Percy Hale, Yale All-American in 1900, hasn't missed a game since 1911.

The sophomore "Vigilance Committee" of Dickinson College, Carlisle, Pa., was run out of existence by the freshmen this year.

"Who wants a job?" asks the student employment bureau at Stanford University. It is looking for the following—a tap dancing instructor, a barber, three or four women to work in a college shop, ushers, concession salesman, and a ten piece orchestra.

During the fall semester students at Louisiana State university held their annual wild west rodeo. In addition to the regular wild west sports of bronco busting and the like, the rodeo this year will include a cow-milking contest. The object of the contest will be to fill a pop bottle in place of the regular voluminous milk pail.

The sloppiest chemistry student of the University of Minnesota will be awarded an apron to hide his untidiness at the "molecular whirl," better known as the chemistry students annual dance. So many students have competed for the prize, according to the Minnesota Daily, that rubber sleeves designed for protection against resting arms on the tables, will be given to the runners-up.

The Trombones of the University of Michigan band have adopted the habit of freezing in the cold weather they have up there. Last year when the same problem confronted the band some ingenious person suggested anti-freeze, but that made most of the bass players ill. This year the problem has been solved with grain alcohol. The situation has been changed from stiff instrumentalists to stiff instrumentalists.

From the Technician, Newark College of Engineering—
"Of the Freshman class at R. P. 1., fifteen per cent are sons of engineers; sixty per cent are sons of business men or bankers; ten per cent sons of farmers and artisans; and six per cent sons of educators, doctors, and lawyers." Evidently nine per cent are non-committal!

One hundred ninety-five freshmen in Arizona university confessed that the main reason for their coming to college was to get a polishing without undue exertion on their part.

Union College (Poughkeepsie, N. Y.) is considered to be the most expensive of the women's colleges in the United States. It costs approximately \$1,350 to cover the yearly expenses of each student.

SIDELINES

(Continued from page 1)

ural conclusion to be drawn is that the present administration is due for an overwhelming defeat.

PAST Literary Digest Polls have been good indicators as to which party would become our law making body. However, farmers and people of lower income have been well divided during these periods. The forecasts based upon the straw vote returns were usually quite accurate in spite of the fact that citizens having lower incomes could not be reached. The sample ballots were probably weighted down with the names of telephone subscribers or automobile owners.

The present administration has endeavored to assist the farmers, low wage earners and unemployed. Many of these people do not have telephones or automobiles. The present poll as conducted may therefore be unconsciously biased.

RESULTS obtained in the January poll of The American Institute of Public Opinion conflict with the Literary Digest forecast. Their poll, smaller than that of the Literary Digest, predicts that fifty-three per cent of the population is in favor of Roosevelt's policies. The waning popularity of the New Deal has also been indicated. The percentages of votes lost in several states since 1932 are: Connecticut, three; Massachusetts, four; New Jersey, five; New York, seven; Illinois, nine; Michigan, four; Ohio, three; and Pennsylvania, two. These losses are slight in comparison to those of Wisconsin with fifteen per cent; South Dakota, twelve; North Dakota, fifteen; and Minnesota, eleven.

DEMOCRATIC politicians will probably consider the Literary Digest Poll results most favorable. Out of every one hundred voters, thirty-eight are absolute supporters of the New Deal, but the entire sixty-two others are by no means non-supporters. At least fifteen or twenty are non-partisans who favor only certain parts of the New Deal. In November they will vote neither for all of the administration's policies including the good and bad ones, nor for a Republican platform which disapproves of all these policies. The choice will be between Roosevelt and a Republican nominee. If Hoover were running against Roosevelt, how many people would vote for Roosevelt despite the fact that they dislike both candidates? How many farmers of the Farm-Labor Party would sooner vote for a liberal Democrat than for a conservative Republican? These are a few of the things that keep Republicans and Democratic politicians awake at night.

THE REPUBLICANS could assure themselves an overwhelming victory if they would select a reputable candidate and proceed to divide Roosevelt's support by adopting all his successful policies and refuting all his failures. The Liberty League and the Republicans have assured the people that they possess no such thoughts. They propose the repeal of all measures enacted within the last three years, whether they have been of a beneficial nature or not. On the other hand the New Dealers defend all their policies including the good as well as the bad.

Alumni Banquet Will Be Held on June 2

At their last meeting the Board of Managers of the Alumni Association decided on June 2 as the date of the A. I. T. alumni annual spring banquet. Although the time was definitely set at 6:30, the decisions regarding the place, prize, and entertainment were postponed until the next meeting of the Board which will take place today, at the University Club. A most important feature of the banquet will be the election of new officers; a president, vice-president, secretary, treasurer, two board members and a trustee. From two to three hundred alumni have always co-operated to make the banquet an outstanding success. It is planned as usual, to make every effort to start out the graduating class members as good Armour Tech alumni. Invitations to participate will be sent out later.

Italy's Youth Ready To Follow Mussolini

This was written for the Associated Collegiate Press by Jonathan B. Bingham, chairman of the Yale Daily News, who has just returned from an extensive tour of the continent on an assignment from the New York Herald-Tribune.—Editor.

By Jonathan B. Bingham
The Italian youth has but two ideas in mind, to become a soldier and to follow Mussolini. At least that is the case with five million boys and girls who belong to the great Fascist youth movement, the National Balilla Institution, for their motto is "Today Balillas, tomorrow soldiers, always Fascists." And there is ample evidence that they believe heart and soul in that motto.

Movement Imported from Above
There is nothing spontaneous about the Italian youth movement, entirely imposed from above as it is, and with every other organization suppressed. The control is in Rome, ostensibly in an executive committee, but actually in the hands of one Renato Ricci, a young man himself, who is responsible only to Mussolini. Regional and local committees carry the orders down to the individual groups of boys and girls, these being organized into boys from ten to fourteen and from fourteen to eighteen, and girls of the same ages.

Although membership is not compulsory, the privileges which accrue to members and the social pressure brought to bear on non-members and their parents has made the growth of the organization prodigious, a million and a half in the last two years to a total of over half the youth of the country. The Fascists claim a unit in every village, no matter how small, throughout Italy.

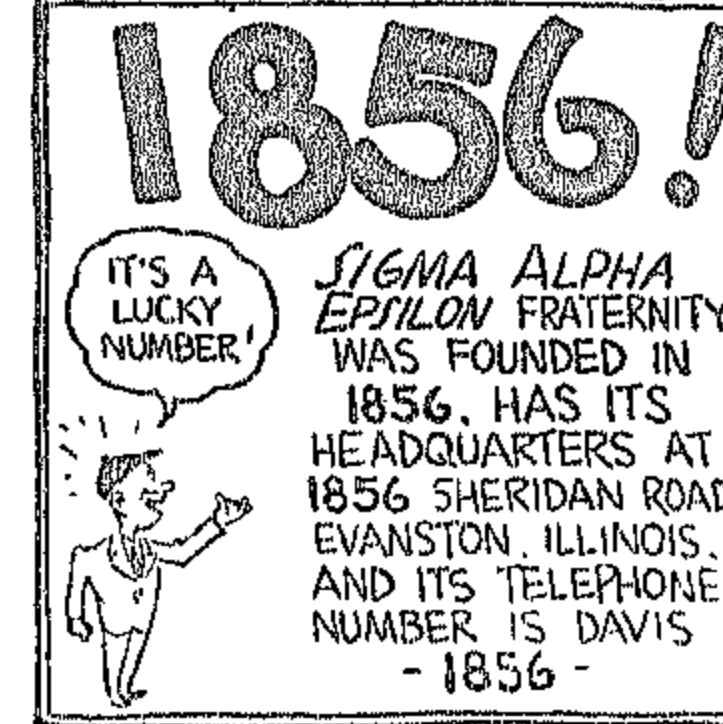
Raise Their Boys To Be Soldiers
While the girls in the movement are proud to consider themselves as mothers of future soldiers, militarism is already a reality to the boys. As the visitor is shown through a "Balilla House," or movement clubhouse, his youthful guides will display the greatest pride in the arsenal, a formidable array of rifles and machine guns that are far from toys. The effort to make war seem glorious to these children is further seen in the provision of motorcycles and other equipment that are naturally exciting and attractive.

Perhaps the most appalling aspect of it all is that, although undoubtedly every young boy is envious of his older brothers on the way to Abyssinia, militarism is to him not so much a matter of hysteria and wild excitement, as an essential, accepted

CAMPUS CAMERA



ROBERT R. O'LOUGHLIN, COLUMBIA '18, WHO WAS TWICE ELECTED TO LEAD THE LION CREW, NEVER ROWED A RACE AS CAPTAIN!
HE WAS ELECTED CAPTAIN IN JUNE 1917, BUT BEFORE THE RACES IN 1917 THE CREW MISBANDIED BECAUSE OF THE WAR. RETURNING FROM FRANCE HE AGAIN ENTERED SCHOOL AND WAS NAMED CAPTAIN OF THE 1918 CREW. HOWEVER HE ACCUMULATED ENOUGH POINTS AND GRADUATED IN FEBRUARY 1920, LEAVING COLLEGE BEFORE THE CREW HAD ACTUALLY ROWED ANY RACES!



CLARIBEL B. RATTERMAN WAS THE FIRST WOMAN TO BE ELECTED PRESIDENT OF THE U. OF CINCINNATI LAW SCHOOL IN 1922!

part of his existence without which life would hardly be conceivable. The teaching of discipline and unquestioning obedience are an expressed purpose of the Balilla organization and contribute largely to this result.

However, it cannot be denied that the young Fascists are offered numerous advantages. Besides the libraries and radios and occasional movies in their clubhouses, every effort is made to provide equipment for sports, even in the smallest towns, where there is likely to be a combination club-room and gymnasium, and some sort of athletic field.

Youth Gains Many Advantages
The acme of this type of development is found in the Foro Mussolini, on the banks of the Tiber near Rome, where three or four marble-lined stadia, a similar number of huge swimming pools, and gymnasiums and tennis courts galore attract hundreds of boys and girls every afternoon. One receives the impression, however, here as in the camp presently to be described, that too much effort was expended on the spectacular and too little on the practical, there being space for little but mass formation athletics.

Adjacent to the Foro Mussolini is the Accademia Fascista, the training

school for leaders of the movement, organizers of sport, and camp officers. They learn not only physical training and drill, but the best ways to instill the spirit of Fascism into their charges, the latter being admittedly considered the most important of all.

Team to Teach Fascism
Nearly all Balillas have the opportunity to attend a camp for a month or so during the summer. Many of these are not dissimilar to our simple boys' camps, but the ideal towards which the state is striving is totally different. One of the best examples of this type is to be found at Ostia, where a magnificent, modernistic building, with a stream-lined tower and much chromium plate, is the "Camp."

With the exception of the remarkably big beds in the dormitories, there is no place in the shining angular-furnished rooms for relaxation or comfort, and the playing field is a walled-in enclosure without a shade-tree. Here, as everywhere, discipline is the key-note, and, as the children march to their various exercises, not many smiles are to be seen on their faces. Mussolini, whose pictures and sayings are everywhere on the pastel-tinted walls, is their god, their ideal, and they must be true to him.

Money-Back offer helps pipe smokers find what they want

IT'S THE WORLD'S SWELLEST TOBACCO

"The money-back offer introduced me to Prince Albert," says John T. Norton, '38. "It's great."

THE MONEY-BACK OFFER STARTED ME ON THIS GRAND TOBACCO

PRINCE ALBERT NEVER BITES MY TONGUE

"Prince Albert is a grand tobacco," says Jennings Potter, '37. More men like Prince Albert than any other kind. This mild, choice tobacco is sure to please you. See no-risk offer below.

"Prince Albert is the mildest tobacco I've ever smoked," says Jesse Heise, '39. "It never 'bites.'"

HOW TO TRY P. A. WITHOUT RISK

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. (Signed) R. J. Reynolds Tobacco Company, Winston-Salem, N. C.

PRINCE ALBERT THE NATIONAL JOY SMOKE

50 pipefuls of fragrant tobacco in every 2-ounce tin of Prince Albert

Math Club to Hear Talks From Members

Future talks at the Math Club meetings will be given by members; at the next meeting, N. G. Lozins will present a paper on "The Life of Pythagoras"; the next speaker, J. O. Bobhill, will talk on "The Pythagorean Theorem and Its Applications." At a future meeting, George Thodos will speak on "Trisection of an Angle, and Duplication of the Cube."

According to Sydney Miner, president, future meetings of the club will be interesting to all students and especially to freshmen, all of whom are invited.

A. I. Ch. E.—

(Continued from page 1)

patent law are to work for a patent attorney or merely to happen into it by accident.

Mr. Parkhurst also discussed the subject of patents. "A patent," he said, "is a monopoly granted by the federal government to an individual for something that is new, useful, and inventive." The articles which may be patented are arts, like new processes, compositions of matter like new chemical compounds, manufactures, and machines. That a patent gives its owner the exclusive right to make and sell his invention is not necessarily true; all it gives is the right to exclude others from his claims. When there are several conflicting patents over one invention, the result is a tangle for the U. S. Patent Office to straighten out.

The first step in patenting an invention is to file an application; it must contain a petition, an oath of purpose, specifications, plans, and claims. Federal examiners look over the applications and decide whether it is new, useful, and inventive.

The other topic taken up at the meeting was the subject of the chemical laboratory fees going to purposes other than the laboratory. It was found, however, that part of the fees had gone toward the storekeeper's salary and repairs.

Fire Protects Visit Interesting Exhibit

During the past few weeks an interesting display of fire department equipment has been shown at Mandel Brothers by the Committee on Fire Prevention of the Chicago Association of Commerce.

Actual fire alarms were received direct from the Central Alarm office in the City Hall and visitors were allowed to listen to the announcement of the location of fire. Visitors were shown how to turn in alarms from boxes. There are about 2560 alarm boxes in Chicago with the greatest number distributed in the loop and in the manufacturing districts.

First aid devices used for extinguishing fires in their incipency were shown. One interesting device consisted of a green flask containing water, ammonia, and salt. It was to be thrown at the fire and if the thrower was lucky, possibly put the fire out.

Relics and pictures of the Chicago fire were displayed in glass cases. One poster gave some interesting information about the Chicago fire department. Chicago purchased its first piece of fire apparatus during the term of Mayor Ogden in 1844 for \$850. At that time lawyers and influential men belonged to the volunteer fire department. It was considered influential politically and otherwise to belong to the fire department.

Class in Management Offered as Elective

Seniors who have completed or are taking business policy, social science 401, have been offered an elective course titled studies in management. This course will carry two credit hours.

After selecting a field or problems for study, the students will investigate the problem by systematic reading supplements by a term report involving application of the principles studied. Material for the term report may be obtained by fieldwork or literary research.

Armour Cage Trip Nets One Victory

Techawks Beat Normal, Lose to Detroit

In an attempt to repeat last year's successful trip, the Armour cagers traveled to Michigan between semesters. Michigan State Normal fell by a score of 29-25 but the Techawks lost to Detroit by the overwhelming score of 53-29.

Armour's victory over Michigan State Normal was the second this year. The Techawks apparently had the game cinched at the half with the score standing at 26-13. At this stage of the contest Normal changed tactics and started shooting from the center of the floor instead of working the ball in under the basket. This system cut down Armour's lead considerably, and in the last ten minutes of play the Hurons outscored the Chicagoans 12 to 3. Heike led the scoring for Armour with six baskets and two free throws. Rukamp led Normal with a total of eight points. Two of Normal's stars, Wendt and Hanneman, were out of the game; Wendt with an ankle injury sustained in the previous encounter with Armour, and Hanneman because of ineligibility.

Scouts Watch Game

The Michigan Normal game was watched with considerable interest by Coach Brazil of Detroit and several members of his team in preparation for the contest with Armour in Detroit on the following Monday.

On Monday the Titians protected a record of eight straight victories and added a ninth by smothering the Engineers under a 53 to 29 score.

The Armour cagers played very disorganized ball, while the Detroit five sank shots from all over the floor.

Box Score			
Armour (29)		Normal (25)	
B	Ft	B	Ft
Pts	Pts	Pts	Pts
Heike, f.	6 2 14	Zacher, f.	1 0 2
O'Brien, f.	2 0 4	Garian, f.	0 0 0
Shukes, f.	0 0 0	Bernard, f.	2 0 4
Merz, c.	0 0 0	Rothenberg, f.	1 0 2
Dollenm'er, g.	1 3 3	Rukamp, c.	3 2 8
Warner, g.	2 2 6	Brown, g.	1 2 4
O'Connell, g.	0 0 0	Wenger, g.	1 1 3
Hofman, f.	0 0 0	Tower, f.	1 0 2
		Good, f.	0 0 0
Totals	11 7 29	Totals	10 5 25

Box Score			
Armour (29)		Detroit (53)	
B	Ft	B	Ft
Pts	Pts	Pts	Pts
Heike, f.	3 2 8	Lukosev'wz, f.	1 0 2
Shukes, f.	1 1 3	Korwin, f.	0 0 0
O'Brien, f.	0 0 0	Kolbar, f.	3 2 8
Hofman, f.	1 0 2	Cavanaugh, f.	2 2 6
Merz, c.	1 1 3	Laska, c.	7 2 16
Dollenm'er, g.	1 2 4	Hurth, g.	0 1 1
Warner, g.	0 0 0	Bleach, g.	5 1 11
O'Connell, g.	2 2 6	Kearth'es, g.	0 0 0
		Laue, g.	3 1 7
		Hayes, f.	1 0 2
Totals	10 9 29	Totals	22 9 53

SCIENCE NOTES

A new technique for "doping" airplane fabric is so efficient that gasoline poured on a wing can be burned off without injuring the cloth in any way. It consists of the impregnation of the cloth fibers with a boric acid-borax mixture and then the coating of this cloth with cellulose acetate instead of cellulose nitrate as now used.

The meeting of the Association of Consulting Psychologists brings to light the fact that "children at the age of seven should have completely disavowed not only Santa Claus but the entire spirit world, including Easter bunnies and fairies." Girls playing with dolls at the age of seven are reverting to "lower behaviour."

The letter A appears at the beginning of the alphabet because in the days when some thoughtful person devised alphabet signs to represent sounds, the ox was worshipped as a god. A is for alep, ox. In the Near East, a man does not start on a journey or begin work without calling God's name, and it was proper to begin the alphabet with a sign of diety. The second letter, B, stood for house, the symbol of the family, or man, and properly second to God. And so on through the alphabet, there are certain meanings deeper than those usually assigned to the picture signs.

—Science News Letter

Better Vision Institute reports that studies on paint reflection values show that white has a reflection value of from 84 to 89 per cent, cream 77 per cent, buff 63 percent, light green 22 per cent, gray 46 per cent, brown 16 per cent, and black only 2 per cent. On ceilings and walls, these values may make the difference between a poorly lighted and well lighted interior.

TECH TRACKMEN TAKE SECOND IN TRIANGLE MEET

Last Saturday's triangular track meet, bringing together Armour, Loyola and Chicago, at the University of Chicago's field house, was won handily by the home squad, who piled up a total of 64 points. Armour, with a total of 32 was second, and Loyola brought up the rear with 23.

Although the Chicago boys ran away with seven firsts and a half dozen seconds, Armour, despite the absence of Captain Concolino, came in for their share of honors by taking all of the distance events. Finnegan took both the half mile and the mile, and Faust took the honors in the two mile run.

The most outstanding performance was turned in by Finnegan in winning his events. In the mile, the first of the two, Finnegan and Smith of Chicago ran toe and toe for most of the race. Starting out behind his man, he remained there until he thought proper to step into the lead. This lead was retained most of the remaining laps, and dropping back when two laps remained, Finnegan remained in second place, close behind Smith, until they had but a hundred yards to go, then, with an astonishing burst of speed, passed his man and won by several yards.

In the half mile event Ryan of Armour stepped into the lead with Finnegan following a close second. Throughout most of the race nothing much was done to alter these positions but in the last lap Ryan began to tire and James of Chicago drew closer. Finnegan at this point came up along side of his team-mate and attempted to urge him on, but Ryan had had his time and was just too tired to do anything about it, so that all Finnegan could do was win the event himself, with Ryan giving over second place to James.

Summaries
 60 Yd. Dash—Won by Krause (C). Neal (A) 2nd, Bartlett (C) 3rd, Neuert (A) 4th. Time—6.5.
 440 Yd. Run—Won by Warwick (L). Wassen (C) 2nd, Neal (A) 3rd, Ballanger (C) 4th. Time—52.1.
 880 Yd. Run—Won by Finnegan (A). James (C) 2nd, Ryan (A) 3rd, Deuter (A) 4th. Time—2:10.4.
 Mile Run—Won by Finnegan (A). Smith (C) 2nd, James (C) 3rd, Toomin (L) 4th. Time—4:50.1.
 2 Mile Run—Won by Faust (A). Hayes (L) 2nd, Dannis (A) 3rd, Scheid (L) 4th. Time—11:8.8.
 70 Yd. High Hurdles—Won by Beal (C). Newman (C) 2nd, Powers (L) 3rd, Fleig (A) 4th.
 70 Yd. Low Hurdles—Won by Newman (C). Nurenberger (L) 2nd, Handy (C) 3rd, Powers (L) 4th. Time—8.2.
 Pole Vault—Won by Steele (C) and Ballanger (C). Burnis (L) 2nd, Berwanger (C). Height—10 ft. 6 in.
 High Jump—Won by Gordon (C). Wass (W) and Surkis (L) 2nd, Kobak (C) and Runtz (L) 4th. Height—5 ft. 10 in.
 Shot Put—Won by Berwanger (C). Bartlett (C) 2nd, Dunbar (A) 3rd, Scheid (L) 4th. Distance—43 ft. 8 1/2 in.
 Half Mile Relay—Won by Chicago. Armour 2nd, Loyola 3rd. Time—1:34.9.

For every homicide case in England, approximately 18 occur in the United States.

A recent foreign patent uses zinc or aluminum soaps as impregnating agents in a new waterproofing process for fabrics. The material is treated, either during the impregnation or afterwards, with a solution of formaldehyde. "Excellent results" are claimed on both fabrics and paper.

After journeying 13 3/4 miles into the stratosphere, spores of plant disease are still growing in a laboratory of the Department of Agriculture. The spores, carried on the balloon Explorer II, had to withstand: (1) Temperatures lower than 65 degree below zero Fahrenheit; (2) very low atmospheric pressures; (3) ultra-violet rays from the sun which never reach the earth and are capable of killing some forms of life; (4) ozone; (5) extreme dryness.



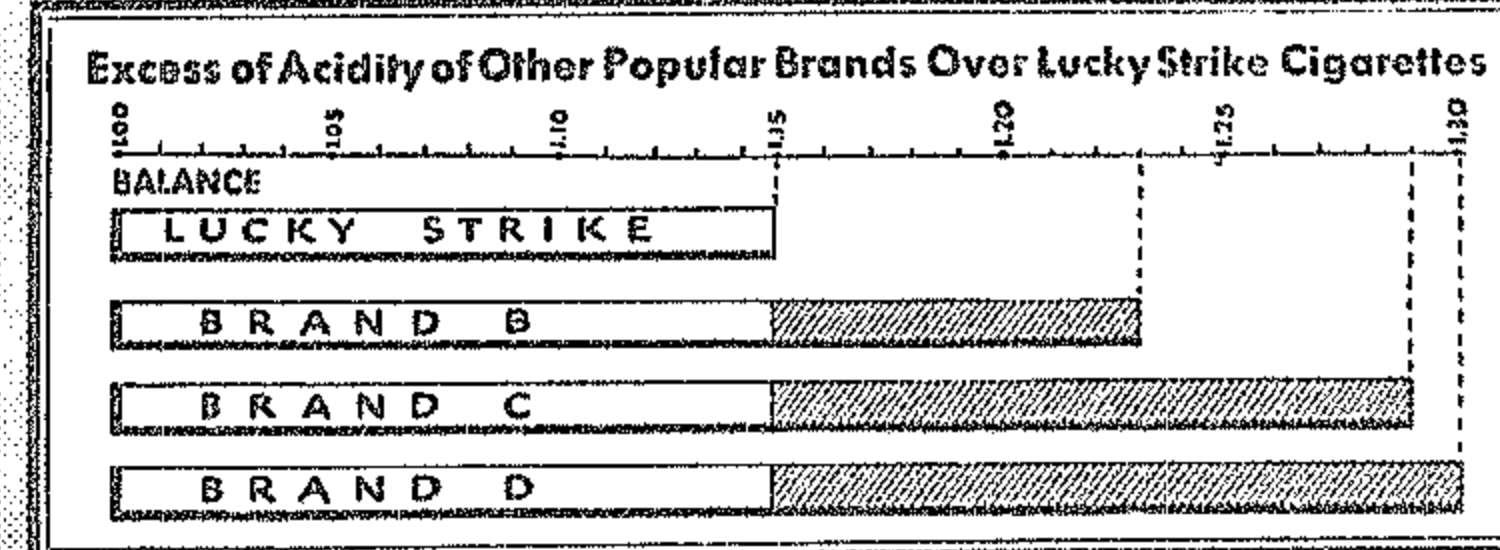
Each puff less acid—Luckies are A LIGHT SMOKE OF RICH, RIPE-BODIED TOBACCO

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 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

Luckies
 a light smoke
 OF RICH, RIPE-BODIED TOBACCO—"IT'S TOASTED"

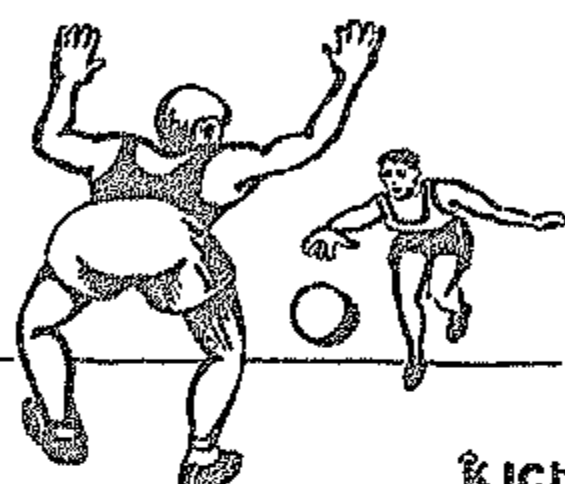
TECHAWKS LOSE TO CARROLL BY SCORE OF 45-31

Armour Defeated by Superior Cage Team

7 WINS, 6 LOSSES

Armour tomor Lake Forest at the Armory tomorrow in the final home game of the season. How about a big gallery!

Against a fast and accurate shooting team from Carroll college, Armour basketballers showed up weakly to lose by a score of 45-31 last Friday evening at the Armory. Scoring honors went to Knablauck of Carroll, with 15 points, and Heike of Armour, who sank six beautiful baskets and three free throws for a total of 15 points. Supported by a very poor crowd of thirty Techawks the team had little encouragement to do better than its 31 points. However, the small crowd was treated to some very beautiful underhand shots by Heike, some nice fast play by Carroll, and a few min-



RICH

utes of "hot" basketball by Armour's sophomore subs as the game ended.

Carroll Starts Scoring

To start off the tilt O'Mealy of Carroll put away a basket while the rest of the team were getting their range. Armour's defense showed up nicely, keeping the ball in their hands long enough to sink several baskets and free throws in between shots by the opponents. Warner placed in two overhand shots in quick succession. It looked like a nice rally but it was stopped short by No. 5, Buck, who sank two baskets while Knablauck put through two free throws. The half ended with Carroll way ahead, 18-9.

The second half gave Armour a jolt when Carroll's star man, Knablauck, sank two baskets and three free tosses in the first two minutes. Other baskets followed quickly by his team mates, the only break being Armour's first point in that part with a gratis toss by Heike. Following a quicky upon this he dropped in a nice basket after a lengthy run down the floor. However, it was all over come as Carroll consistently sank baskets and free throws, scarcely, if ever, missing a chance to boost their score.

Home Team Rallies

With a quick burst of shooting that raised Armour's hopes way up.



RICH

the home team started a very nifty rally as Merz put through a bucket. Not to be outdone, Warner followed immediately with a shot from the side lines and Heike came along with two nice baskets along with which Dollenmaier added two points. After an exchange of gratis throws Warner made another basket to finish his point gathering for the game.

In the last minutes of the game substitutions were made until five sophs were left, who added five points to the score with a basket and free throw by O'Connell and two gratis heaves by Hebenstreit.

Box Score

Armour (31)	B	FT	P	Carroll (45)	B	FT	P
Warner, g.	3	0	3	Buck, f.	5	1	0
Dollenmaier, g.	1	1	1	O'Mealy, f.	2	4	3
Merz, c.	0	1	1	Knablauck, c.	5	5	2
O'Brien, f.	0	0	0	Barnes, g.	1	0	2
Heike, f.	6	3	3	O'Ziegler, f.	1	0	1
Hebenstreit, g.	0	2	0	Totals	16	13	8
O'Connell, g.	1	1	0				
Hofman	0	0	2	Totals	16	13	8
Wagner	0	1	1				
Totals	11	9	11				

RIFLE RANGE REMODELED

Their present situation proving inadequate, the Rifle Club has begun an extensive remodeling of the range in the basement of Chapin Hall. The lighting is being improved and certain safety features are to be added to the location.

Mat Men Lose to Lincoln-Belmont

Lincoln-Belmont Y. M. C. A. again succeeded in defeating Armour decisively to the tune of 21 to 11 last Thursday, February 13. McDaniels, the first man in the ring, was pinned in 2½ minutes by a heavy-set superior adversary, Switzer. Ropak likewise fared poorly and was pinned by Garcia. The hardest fought and most interesting battle of the evening was between Dunne of Armour and Shilling of the "Y" squad. Shilling is the present state Y. M. C. A. champion in the 135 lb. class. From the sound of the gong both boys began wrestling in good form. Neither could be fooled or trapped by the other. First Dunne was riding Shilling; then Shilling would ride Dunne. As the minutes ticked off, the stands grew tense. Suddenly the gong sounded and two bodies relaxed. Both men were cheered as they left the ring. The referee's announcement gave Shilling a 1:33 time advantage. In the 145 pound class Patterson of Armour wrestled Tipescu, who is state Y. M. C. A. champion. There was no time advantage for either man in the first two minutes but Patterson was pinned in a second two minute period.

In the 175 pound event, Tullgren met his superior in Switzer, who was runner-up for the state Y. M. C. A. championship.

Summaries

- 118 lbs.—Switzer (Y.) pinned McDaniels (A.). Time—2:30.
- 125 lbs.—Garvis (Y.) pinned Ropak (A.). Time—4:55.
- 135 lbs.—Shilling (Y.) defeated Dunne (A.). Time advantage—1:33.
- 145 lbs.—Boberg (A.) defeated Drenzo (Y.). Time advantage—4:08.
- Tipescu (Y.) pinned Patterson (A.). Time—4:43.

Baseball's First Call Answered by Thirty

More than thirty baseball aspirants congregated at a meeting called together by manager John Laskiewicz last Wednesday noon for the purpose of signing up for spring practise and positions on the squad. Included in the turnouts were nine pitchers and four catchers, who will begin training in the gymnasium. The organizing of infielders and outfielders for practise was postponed until March first, when chances for a good field and better weather would be more probable.

Delvey, Dollenmaier, and Hallahan, mainstays of last year's batteries, were among the pitchers enlisting for this year's team. Bartussek was the lone catcher returning from last season's squad. Freshmen will not play because of the freshman ruling.

Baseball Popular at Tech

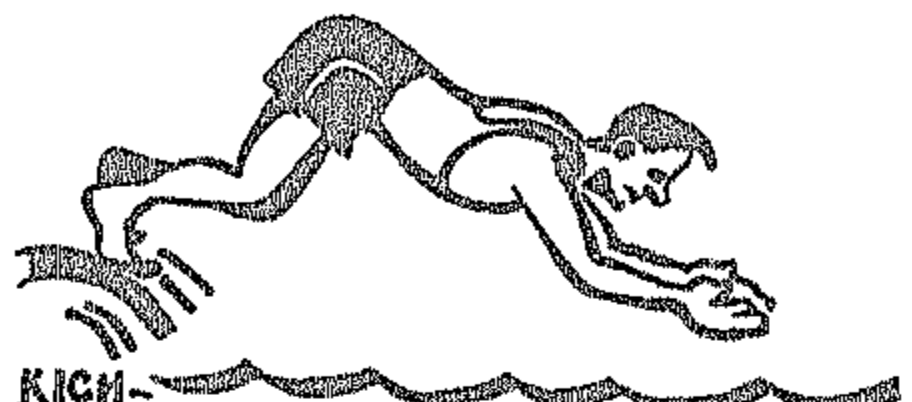
Baseball rates with basketball at Armour and the season is usually well filled with victories for the Techawks. The usual fifteen game schedule has not been arranged for this season as yet, but may include games with Chicago, Northwestern, Lake Forest, Michigan State Normal, Toledo. A six game league with North Central, Wheaton, and Elmhurst is also included in the probable slate.

- 155 lbs.—Schmidt (A.) defeated Hasanna (Y.). Time advantage—7:1.
- 165 lbs. Krenl (A.) pinned Giarrizzo (Y.). Time—2:20.
- 175 lbs.—Switzer (Y.) defeated Tullgren (A.). Time advantage—6:47.
- Exhibition Bout—White (Y.) 180 lbs., pinned Popper (A.) 159 lbs. Time—2:16.

Tech Swimmers Lose Two Week End Meets

While the student body took a vacation between semesters, Tech's swimmers engaged in two meets, losing a quadrangular contest on February 8 at Milwaukee and a two way encounter at Wright on the 10th. Encouraged by one Armour spectator the thinclads garnered a third and four fourths in the first meet while Captain Knaus smashed through for a first in the breast stroke division against Wright.

Milwaukee Teachers Win
The four way meet on the 8th, held at Milwaukee State Teachers college, was won by the home team with 48 points, second and third places going to Wright and South Side Jr. colleges respectively, while Armour trailed along with a meager



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eleven points. However, in the meet on the 10th the Tech tankers were back in form with their customary 25 points. Wright's score, double 25, was also consistent, but the meet, though lost, again gave Armour's new members some excellent practice. Winblad and Dodge, freshmen in the free style division, show great promise along with Svagdis, who should soon be breast stroking the team to a victory with his butterfly stroke.

Return Meet at Wright
The tankers will celebrate Saturday, February 22, with a four way return meet at Wright along with Milwaukee and South Side Jr. colleges, and they hope that at least more than one spectator will show up to cheer the team.

Trackmen Victors In Season's First

Neal Leads Scoring With Twelve Points

Having sufficiently recuperated from their final exams Armour's track team turned in a 54-50 victory in the first meet of the indoor season against the South Side Junior College on February 7.

It was a hard fought affair in which both teams put up a good fight, so much so that the meet was not decided until the last event had been concluded. This last event, the half mile relay, taken by Armour, came up with the score 50-49 in favor of South Side.

Neuert Gains Lead

Neuert started out for Tech by stepping into the lead, but this was lost by the second man, Concolino, after he had managed to retain it throughout most of his lap. Neal took over the baton and from a ten yard disadvantage worked his way up and again placed Tech in the lead, this time for the final lap. This lap turned out to be a real thriller, McDonald and the South Side man running almost a dead heat, with the Armour men just managing to keep ahead and finally turning in a victory by an infinitesimal of the fourth order.

Tech Takes Seven Firsts

In winning the meet, Armour gathered in seven firsts to South Side's five, along with five seconds and four third places. Neal lead the attack for Tech with firsts in the 440 yard run and half mile relay,

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and seconds in the 60 yard dash and broad jump, making a total of 12½ points. He was closely followed by Goes and Finnegan who each contributed eight.

Summaries

- 60 Yd. Dash—Won by Chatman (S). Neal (A) second, Neuert (A) third. Time—:6.5.
- 440 Yd. Run—Won by Neal (A), Ewing (S) second, Ryan (A) third. Time—:52.8.
- 880 Yd. Run—Won by McDonald (A). Finnegan (A) second. Carter (S) third. Time—2:11.3.
- 70 Yd. High Hurdle—Won by Goes (A). Zayner (S) second, Fleig (A) third. Time—:9.9.
- 70 Yd. Low Hurdles—Won by Zayner (S). Goes (A) second, Anderson (S) third. Time—:8.6.
- One Mile Run—Won by Finnegan (A). Carrol (S) second, Stewart (S) third. Time—5:04.3.
- Two Mile Run—Won by Maybing (S). Sims (S) second, Zilinski (S) third. Time—10:39.8.
- Pole Vault—Won by Concolino (A). Hevrdejs (A) second, Kawe (S) third. Height—10 ft. 6 in.
- High Jump—Won by Chatman (S). Zayner (S) second, Bejeck (A) third. Height—5 ft. 9 in.
- Broad Jump—Won by Swigert (S). Neal (A) second, Zayner (S) third. Distance—20 ft. 3½ in.
- Shot Put—Won by Yaseen (A). Kawe (S) second, Anderson (S) third. Distance—35 ft. 9 in.
- Half Mile Relay—Won by Armour; Neuert, Concolino, Neal, McDonald. Time—1:38.3.

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