



Arx Banquet in Student Union A Huge Success

Heald and Van der Rohe Principal Speakers

President Heald welcomed the alumni at the All-Architectural Banquet given in honor of Ludwig Mies van der Rohe, the new director of Armour's architectural department, in the dining hall of the Student Union last Friday night.

There were approximately 200 alumni, former students, and present students of the architectural department present. A. M. Richardson, president of Scarab fraternity, briefly introduced Armour's new president to the alumni and former students.

President Heald acted as toastmaster and recalled the series of events finally leading up to the installation of Professor van der Rohe as director of the architectural department. Mr. Heald praised Mr. Jerrold Loebl as acting director of the department for the last two years, until the securing of the new director. He also praised Scarab fraternity in sponsoring this banquet, believing that honorary fraternities should be more active.

van der Rohe Explains Aim

Introduced to the alumni by the president, Professor van der Rohe commented on the comradeship and reasonableness of President Heald, the confidence of the committee, and a chance for serious work which urged him to come to Armour. He explained that his architectural program was not a result of theoretical meditation, but one of practical experience. He said, "I thought about all the problems that were important in my life and education, and I incorporated these in the program. Life has thrown me around quite a bit so I can consider myself an average person." The program is not for a supernatural student but a program for an average person who seriously wants to work.

He listed the three parts in the study of architecture: namely, "the means with which one builds, the purpose with which one builds, and the reason or sense of one's building." It is very important that students know about the materials with which they are to build structures; wood, stone, brick, steel, and their possibilities and limitations. He said that the students must know materials "in and out," their entire limitations.

He mentioned that the buildings of (Continued on page four)

Alpha Chi Sigma To Hold Dance in April

Alpha Chi Sigma held its bi-monthly dinner meeting in the Student Union on Wednesday evening, February 20. The subjects up for discussion were future pledging, the tri-chapter dance, and the organic chemistry awards.

Prospective pledges in the student body and faculty have been invited to the traditional pledge smoker to be held sometime next month.

Plans for the annual tri-chapter dance were also discussed. The dance is to be held on the fifteenth of April at Thorne Hall, located on the Northwestern campus in Chicago. Upsilon chapter of Northwestern University and the Chicago professional chapter will be the other local groups attending.

It was decided to award handbooks to the two students in the organic chemistry department who had, in the last semester, best exhibited the qualities of an organic chemist, both in the laboratory and in the classroom. The "Schmier" award fell into disuse the past few years, and its renewal should make the competition between the sophomore chemicals much keener. The two student winners for the past semester will be selected by Drs. Freud and Wasley, and the presentation of the awards will be made soon.

Large Audience Attends Annual Tech Concert

Under the direction of O. Gordon Erickson, the Armour Musical clubs presented their fourth annual Goodman Theater concert last Thursday evening. The varied program, offered by orchestra and glee club, proved interesting and entertaining to the large audience attending. Music lovers were thrilled by the choral effects produced by the glee club, which has a membership of over seventy students. The orchestra, with brilliant solo work by various members of the organization, presented their portion of the program with the ease and polish of professional musicians.

Present Popular Selections

Opening the program with the selection *Honor And Glory* by the orchestra, the glee club followed with a rousing rendition of the *Armour Fight Song*. The *Zampa Overture*, by the orchestra, and *Silent Strings* and the *Trumpeter*, by the glee club, showed to advantage the fine ensemble work of both organizations. The orchestra's presentation of *Agnus Dei*, *Elsa's Dream* and the *Intermezzo from Jewels of the Madonna* enabled the various soloists to exhibit their talents. The soloists were: Don Charlton, trombonist, in *Agnus Dei*; and Harold Doolittle, trumpet, who played *Elsa's Dream*.

After a short intermission, the glee club presented *Invictus* and the *Red-man's Death Chant*, which featured the solo work of Thomas Yeakle Jr. As an encore, Yeakle sang the famous *I Want What I Want*. A rendition of *Pale Moon* as an oboe solo, with Peter Woods as soloist, and an orchestral background was followed by *Song of India*, featuring William Mashinter, violinist, and *Maleguenia*, featuring George Danforth at the piano.

Feature Soloists

Featured soloists on the program were John Segner who gave a drum solo, and Theodore Gromak and Her- (Continued on page six)

Six Features In New Issue of 'Engineer'

Packed with articles of timely significance and general scientific interest, Tech's quarterly journal *Armour Engineer and Alumnus* will make its March appearance on Wednesday, the fifteenth. It will be distributed, as usual, in the lobby of the main building.

Heading the list of six features will be two accounts of Chicago's subway. Joshua D' Esposito, government project engineer of Chicago subway, and Charles E. De Leuw, consulting engineer for subways and traction, will give their answers to the question on what the subways will mean to Chicago. These articles will serve as a sequel to a report in the October issue by Phillip Harrington entitled "Subway System for Chicago." Mr. Harrington is an Armour graduate and has recently been appointed commissioner of subways and traction.

List Subway Advantages

Maps of the subway system will be given, showing positions of various stations and terminals and coordination of elevated and new subway tracks over certain parts of the route. Switching and signalling systems and much pertaining to traffic handling will be explained. Mr. D' Esposito will attempt to satisfy many critics of the subway's construction as to why a two track and not a four track right of way is being used. Its practicality and advantages over the four track system will be thoroughly covered. Also, a detailed list of all the subway expenditures will be printed.

"Photo-records", a new solution to the problem of storing newspapers, magazines, records, etc., will be explained by Daniel F. Noll of the Fulcum Graflex Corporation. This method has met with success at Northwestern University and is now being tried out at the University of Chicago. Briefly described, tiny (Continued on page six)

Radio Lab Adds New Short Wave Material

Two 1,200 watt air cooled short wave transmitting tubes, a number of transformers, and other equipment has been acquired for the radio engineering laboratory by Professor A. W. Sear. Last summer, while working for the Bendix Radio Corporation, Mr. Sear came in contact with J. C. Harrower, the general works manager, who is an Armour graduate. When the Chicago plant of Bendix was moved to Baltimore, Md., about a month ago, Mr. Harrower promised to send equipment, which was no longer needed, to the institute. He recently shipped five large crates of equipment here. Many of the parts will be put into use this semester.

Although Mr. Harrower received a civil engineering degree, in the decade since he graduated, his field has been mainly radio and aircraft. He has been connected with United Airlines, American Airlines, the U. S. training base in Pensacola, Fla., and Bendix. His work has taken him to many parts of the world. With two other Armour graduates he set up a transmitter in Liberia so that operators on Firestone rubber plantations could communicate with home stations. Until recently he was in Panama, where he did radio engineering work.

Present Aids For Job Hunt To A.I.Ch.E.

Many of the labor aspects of engineering were surveyed in a paper by Arthur Fried presented at the regular A.I.Ch.E. meeting last Friday morning. He talked not only on the wages, and fields to which most of the men are diverted, but also on the requirements of a good engineer as far as industry is concerned, the percentage of men with various levels of education, and the amount and length of unemployment which occurred in the engineering profession in recent years.

In answer to a questionnaire on the faults of the graduates on first entering industry, industrial men replied that the new men lack the ability to sell themselves and their ideas, do not get along well with their associates and other employees, and are unable to cope with straight routine work. In regard to what the employers desired, industry answered that the men should be young, be willing to do various types of dirty work, be willing to receive a low wage when there is a good chance for advancement, have a good fundamental training in both the technical and cultural subjects, and above all not be inflated with self-importance. (Continued on page six)

The Perils and Mysteries of Election Day, or Engineers Don't Get Holidays

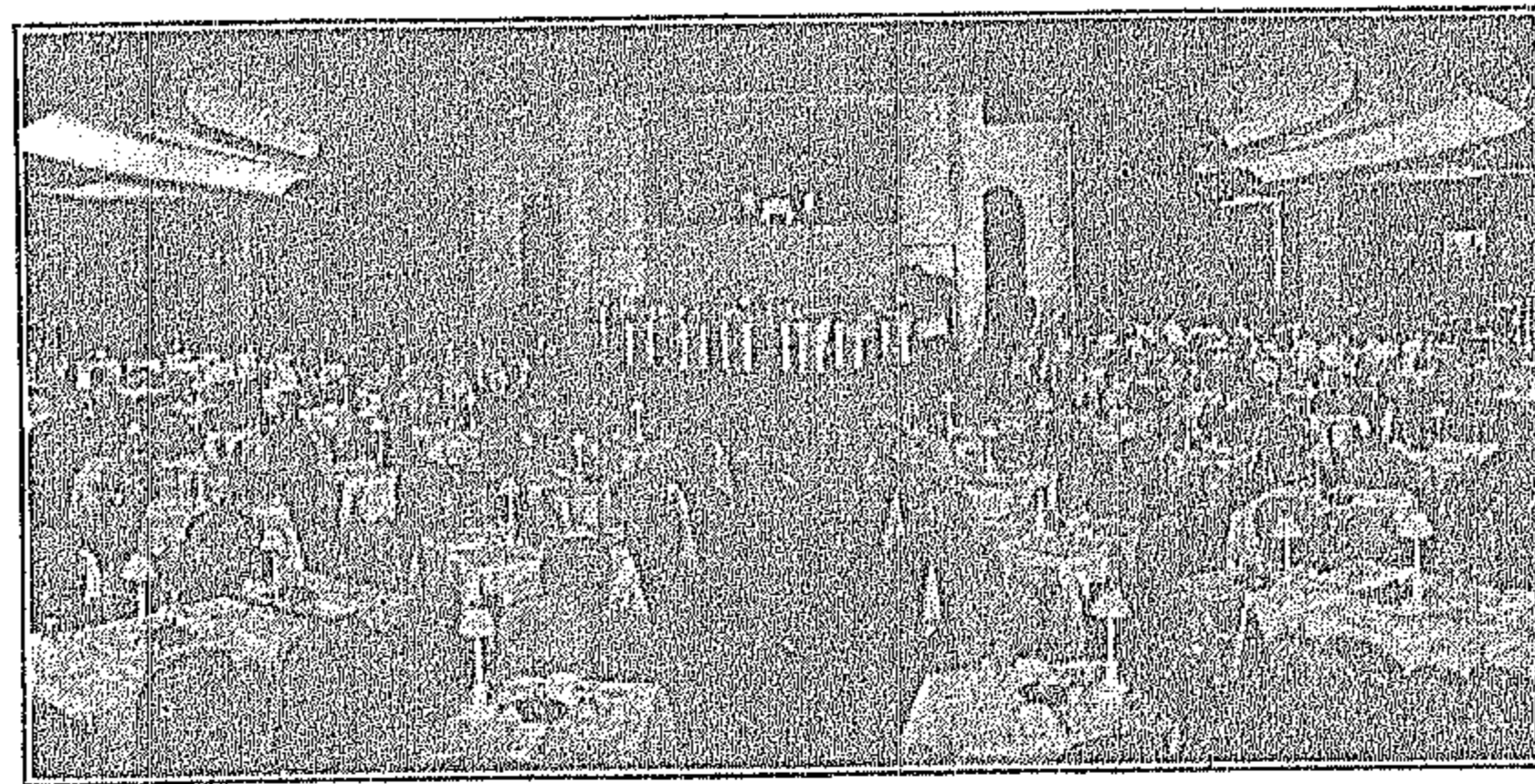
By ART HANSEN

Today, hale and hearty students, is election day. Now, this is not an astounding statement in itself until you stop to analyze and get the full meaning of the words. Probably the only thing that comes to your mind is the fact, dimmed by time and experience, that election day once meant to you in your grammar school days a day off from classes—a holiday, of course, your illusions about holidays and days off from school have long since been shattered by the traditions at Armour—no holidays or you won't get your money's worth.

Election day to people other than we humble students has other meanings. To the gum chewing salesgirls it is an opportunity to come late to work with the excuse: "Oh, Miss Beetle, don'cha be mad at me. I hadda stop off and place my X on the ballot."

To the high salaried personal secretaries—those beautiful blondes with legs like you see in silk stockings ads and who have the habit of sitting on their boss's lap—election day is an excuse to ask the old fogey for a half day off. Instead of hying them-

New Congress Casino Furnishes A Picturesque Setting for Junior Formal on March Tenth



Soil Mechanics Lab Receives New Equipment

Included among the recent improvements at the school has been the reconditioning of the soil mechanics laboratory. Dr. Ralph B. Peck is in charge of the laboratory, and under his guidance many improvements have been made.

The humid room has been caulked and painted on the inside with an aluminum metal paint. The object of this is to make it as nearly moisture proof as possible. A Walton humidifier has been installed and is in use. The humidifier consists of a water basin with an electrically driven vaporizer which keeps the air in the room in a nearly saturated state. Other equipment has been installed and more is to follow soon.

Dr. Peck is a newcomer at Armour. He is a graduate of Rensselaer Polytechnic Institute and has done additional studying at Harvard. At the present time he is first assistant to Dr. Terzaghi in charge of soil tests for the Chicago subway. He is also an instructor in the Armour night school.

Of the numerous test pits that have been opened for clay soil samples, several complete sets are in the soil lab to be tested. The tests that are to be made are known as the Atterberg limits. The Atterberg tests determine the liquid and the plastic limit of the different clays. The liquid limit of a clay is the point of maximum moisture-content at which the clay will remain a plastic solid. The plastic limit is the point of minimum moisture under the same conditions.

Thomas Speer, a graduate of Armour, class of 1938, is Dr. Peck's assistant in the laboratory. It has been through him that the work has been done. Mr. Speer is studying for a master's degree in Civil Engineering in the branch of soil mechanics.

Dance Club Will Hold Social Friday Evening

At last the great day has come! The dance club will turn from gazing across the floor at one another to looking into the eyes of the lovely ladies who have been invited to their first social to be held Friday night, March 3rd, in the Student Union. Dancing will be from nine till twelve to the music of Don Charlton and his orchestra.

Twenty-five young ladies from the Chicago Teachers' College have been invited by the dating bureau and will be furnished transportation by members of the club. Those not needing dates may bring their own partners. Membership cards will be required for admission to the dance.

Brunette Rosemary Galanti, comely student from Chicago Teachers' College, demonstrated at last Wednesday's meeting the part a young lady plays in dancing. Music was made possible at this meeting by our duplicating system furnished by Walter Matthews.

Camera Club To Hear First of Series of Talks

Professor Peterhans, an authority on photography, will be principal speaker at a program to be held by the Armour Eye camera club on the evening of March 8.

Armour Eye is fortunate to have two experts, Professors Peterhans and Roesch, to assist members in whatever branch of photography their interests lie. Although the club is particularly interested at this time in studio settings and processing technique, the personal tastes of the members cover a wide field. This is evident from a glance at the list of subjects to be considered during the coming semester. These subjects include portraiture, color work, infrared photography, and commercial photography. The club is completely equipped to undertake investigations into all these fields.

Casual visitors to the club rooms are immediately impressed by the number of excellent camera studies hanging on the walls. During their free hours in the day, members are busily working at printing and developing pictures, making enlargements or setting up a "shot" in the studio.

To stimulate further interest, both on the part of the members and on that of other camera fans at Armour, Don Crego, president of the Armour Eye, has announced a photography contest. This contest, held at the monthly night meetings, is open to all Armour students. The subject upon which all entries will be judged is "detail." Requirements for entry may be had from any member of the club. All Armour students interested in photography are urged to submit their entries.

New members pledged as a result of the membership drive are: Alfred Barry, William Grosse, Charles Super, Alfred Wong, William Horton, and John Damiani. Professor Roesch has been secured as a faculty adviser.

Located on the fourth floor of Chapin Hall, second entrance, the club is open at lunch time, and those interested are invited to come up, look around and meet the members.

Committee Urges Prompt Placing of Reservations; Good Selection Available

"Smart Chicagoans prefer the New Congress Casino for dining and dancing" is the slogan formulated by the management of the Congress Hotel, and therefore the Juniors of Armour Tech have selected the Casino for their formal on March 10. Griff Williams is the musical highlight of the occasion, and to the accompaniment of the dance of the year.

In previous issues the News covered most of the details of the affair. We follow with a little description of the setting in which the affair takes place.

Murals Decorate Casino Walls

The Casino is the town's unique restaurant, in that it presents to its guests a room of artistic beauty and comfort, which is quite out of the ordinary. Adorning the walls of the ballroom are a series of murals in which Catherine O'Brien and Mildred Waltrip, talented young Chicago artists, have depicted the art of dining and dining through the ages, from early Adam and Eve to early 1937.

Starting at the west end of the north wall, there are a series of seventeen subjects. The subject matter covers many countries and is punctuated with drama, romance and hilarious comedy.

The setting is highlighted by a modern soft-tone lighting system, which is bound to add charm to the affair. One of the chief features of the Congress is excellent service, and there will be no lack of this for the fortunate techmen who attend.

Bids Going Fast

Chairman Don Charlton has announced that bids are going fast and that all who are interested had better see him if they want to be assured of a place. Each bid sells for \$5.50, which includes dinner and dancing.

Don's committee in charge of the dance consists of Jack Clark, Ernest Mandel, and Gene Worcester. Any of these men may be contacted for complete information on the formal.

The committee has announced that a seating plan is being arranged, and upon payment of one-half of the bid charge a student will be assured of a reservation. Naturally the best places will go to the first ones in.

Students are requested to arrange their groups before the plan is completed so that they may be seated with their friends.

Co-ops Plan Smoker For Friday, March 31

Friday, March 31, the last day of the present co-op term, has been set as the date for the co-op smoker to be held in the Student Union Building. Refreshments will be served, and several reels of interesting movies will be shown. These plans were discussed last Friday at the first co-op club meeting of this semester.

Frank Heidenreich, president of the club, was in charge of the meeting, and was assisted by the remaining officers: Walter Meyers, treasurer, and Victor Schellschmidt, secretary. Since Kenneth Olson left school, the office of vice-president has been vacant, but an election in the near future will decide his successor.

It was proposed at the meeting to abolish membership dues and to make all co-op students members of the club. This automatic membership would include all co-ops in the school. As the constitution of the club states, the final vote on these questions must be taken at one of the meetings following the suggestions. Accordingly, this vote will be taken on March 31, preceding the smoker, and members in both the A and B groups will give the votes necessary to amend the present constitution.

Future plans of the club include several inspection trips through various plants in or near Chicago. Full particulars regarding these trips will be made known as soon as the plans are completed by the officers.

Armour Tech News

Student Publication of the
ARMOUR INSTITUTE OF TECHNOLOGY
3300 Federal St.

CHICAGO, ILLINOIS

Published Weekly During the College Year
1938 Member 1939

Associated College Press
REPRESENTED FOR NATIONAL ADVERTISING BY
National Advertising Service, Inc.
College Publishers Representative
420 MADISON AVE. NEW YORK, N. Y.
CHICAGO · BOSTON · LOS ANGELES · SAN FRANCISCO

"Entered as second class matter December 8, 1937, at the post office at Chicago, Illinois, under the Act of March 3, 1879."

\$2.00 Per Year Single Copies, 10 Cents Each

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Vol. XXIII February 28, 1939 No. 3

The faculty and students wish to extend their sincere sympathy to Professor W. C. Krathwohl on the death of his father, Charles G. Krathwohl, who died last week in Buffalo, New York.

The W.S.E. Situation

A little over a month ago a movement was begun to extend the function of the W.S.E. to include all of the engineering departments. The idea was voted upon by the various departments but failed to be carried to completion because the A.S.M.E. voted against the proposal.

At the present time a committee composed of one senior and one junior from each department has been formed to consider the matter further. The committee has been formed because it is felt that the measure was defeated by too small a margin and a further effort should be made. There were at that time several serious defects in the by-laws which must be remedied before the proponents of the proposition can so much as hope for favorable action.

One of the most serious errors was a provision limiting membership to upperclassmen only. We feel that this is a great injustice to the freshmen, especially.

The freshmen attending Armour at the present time receive a general course of study applicable to no particular engineering field, but it is expected that after a year the student can make an intelligent choice of the particular branch of the profession that he wishes to enter. Yet no provision is made at Armour for him to secure the information necessary to make a rational choice. Many schools maintain survey courses for just this purpose. Lack of time is the reason given for the absence of such a course at Armour.

The W.S.E. can, by including the freshmen and sophomores, do a great deal towards remedying this situation. A series of meetings, let us say five each semester, could present a subject relative to the various departments. This would serve not only to furnish a basis of information to the freshmen, but to give an insight of the various branches of engineering to the upperclassmen.

By presenting a speaker before an audience as large as the entire student body, a much better type of speaker can be presented. Demonstrations, a type of subject entirely lacking in a great number of societies, can be procured much more readily. In this way all students will derive many advantages, the students will be more closely knit into one unit and much of the segregation which now exists will disappear.

Habit gets a fellow. Many a father who worked his way through college is now working his son's way through.

"The Slipstick"

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

Your response to this column's plea for contributions has been overwhelming. The task of wading through all that mail proved a trying ordeal. But with a do or die determination we read it all—one postal card!!! Foey to youse guys. We'll swipe our jokes just for that.

*The one who thinks these jokes are poor
Would straightaway change his views
Could he compare the jokes (?) we print
With those we do not use.*

The professor looked pallid and nervous. He had dark circles under his eyes and wore a haunted expression. He kept glancing around apprehensively. "You look ill, dear," said his wife. "What's the matter?"

"Nothing much," he replied, "but I—I had a fearful dream last night and I feel this morning as if I—as if I—" he hesitated and stammered.

"What was the dream?" asked his wife. "I—I dreamed that I had to take the examination with the pupils!" sighed the professor.

Landlord: Of course, you have no children?

Tenant: No.

Landlord: Dogs or cats?

Tenant: No.

Landlord: Piano, phonograph or radio?

Tenant: No, but theres one thing. My fountain pen squeaks a little when I write. I hope you won't object to that.

My girl is like a typewriter keyboard—if you press the wrong spots you get terrible words.

He who laughs last is trying to think of a dirty meaning!

Freshman: When we get to the study of magnesia in chem there will be a question as to whether we are studying physics or chemistry.

"The editorial policy of my new magazine is quite clearly defined. I aim at the man in the street."

"So does my friend here."

"Oh, is he an editor, too?"

"No, he's a motorist."

Our maxim for the week: You can lead a fool to the trough of knowledge, but you cannot make him drink.

Parting

"No," said she, "I—I can only be a sister to you."

"Very well," said he. "I must be going. I had expected a different answer from you, but—well, good night!"

"Bernard," she faltered, as he started out into the night. "Bernard!"

"What is it?" he asked, very crossly.

"Aren't you going to kiss your sister good night?"

He did not go then.

Pardon me while I blacken my face I've got to take up my stand on 33rd and State Streets. I'm just selling some pencils in an effort to raise some of that filthy lucre for the Junior Formal.

Hi Yo: Did you hear the story about the three holes in the ground?

Eleanor: No.

Hi Yo: Well, well, well.

And while we're on the subject:

The love of some women is most touching.

"Have you been through calculus?" asked Dr. Krathwohl.

"Not unless I passed through at night," replied the Freshman. "I'm from Kansas, you know."

Frosh: "I failed in my Trig. exam."

Soph: "But I thought you had all the answers written on your cuff?"

Frosh: "Yeah—but by mistake I put on my algebra shirt."

Oscar came to the city and got a job as a janitor in a girl's school and was entrusted with a pass key to every room in the building.

The following week the Dean ran across him and asked, "Why didn't you come around Friday for your pay, Oscar?"

"Vot! Do I get vages, too?"

Add daffynitions—A watch is something which if you look at long enough it will be too late to do what you were going to do before you looked at it.

"I'm losing my punch," said the man as he left the cocktail party in a hurry.

"Where's our Nellie?"

"Our Nellie's out in them thy'ar hills."

"But thy'ars ba'rs in them hills."

"That's all right, our Nellie rides a bike and she can handlebars."

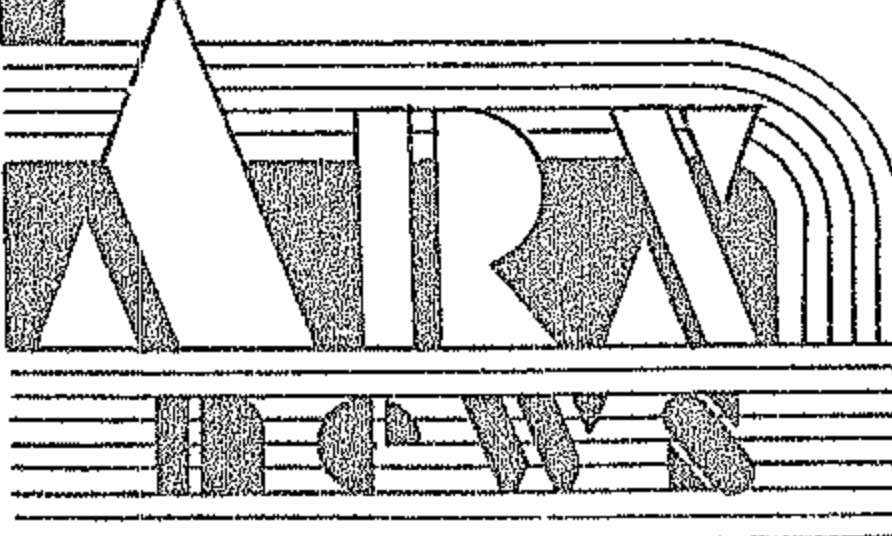
—Minnesota Engineer.

Mary, on her pair of skates,

Around the pond did frisk;

Now wasn't she a foolish girl

Her little * !



Mmm, mmm, what a banquet. Best of this year and probably best yet. . . .

Yep! Ye Arx do it again! . . . Swell turnout. 200 strong for old Armour Arx. . . . Darn nice bunch, too. . . .

Do you remember that thick steak, fresh vegetables, rolls, and that topin' fresh strawberry sponge cake, mmm. . . .

The Dining Room outdid itself, or maybe it's turning over a new leaf. Who said "It's about time?"

Professor van der Rohe was greatly acclaimed by all in attendance. . . . His speech was of great interest to all Arx attending. . . . mmm, mmm, mmm, that strawberry sponge cake!

Professor Kliphardt, Mr. Lader, Beckman, Cunningham, Pelz were there. . . .

Smiling Jack was there as always. . . . good turn-out of seniors, juniors and sophs. . . . Anyone who missed this should have known better because ye Arx always hit it off with a bang. . . . always a bang-up time.

Back to hum-drum school life, after the grandiose banquet. . . . speaking of life, the sophs' new theme song is "We Love Life" (on alternate Thursdays, of course). . . . Dodge believes that Dodge knows life better'n the prof. . . . how about giving him some lessons? . . . Anderson and Danforth were darn good at the concert, just ask Andy. . . . Freshmen came down to life on the wrong Thursday. . . .

The hecklers in the junior room, Pasiuk, Sauerman, and Howe, should be pacified now that they've made the Arx News. . . . Who was the guy in visual training last Tuesday that made a fancy job of printing from a negative, which turned out pitch black? . . . Seniors are still pounding their heads to design a good school, and with the sophs, they're giving Aschuler a beating (censored!).

Now I ask you, when a guy gets a news contribution like this, what does he do? This is typical of news offered by the sophs; Wagner was upset the other day when the "sophs became too, too, boisterous" (my, my, well, slap my wrist). . . . Here's hoping for better stuff.

We conclude that Richardson directed the banquet very well with the cooperation of Mr. Mell. . . . The All-Architectural Banquet was one swell banquet!!

BOZ-ARTS.

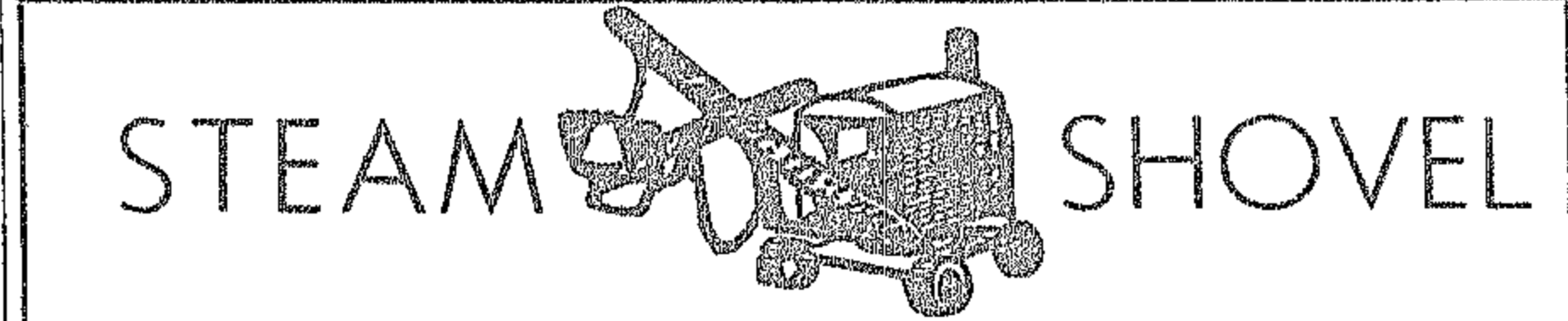
CO-OP NEWS

H. Krantz

Freshmen co-op elections: Freshmen initiative has again displayed itself in a new method of electing officers. The ten highest-ranking men in mathematics will be the only students eligible for election. Of the ten men, four will be elected by the first ballot to fill the offices of president, secretary, and treasurer, according to the total number of points received by each candidate. Each vote for president will count four points, a vote for vice-president will count 3 points, and votes for secretary and treasurer will carry two and one points respectively. After the count the student receiving the largest total number of points will assume the duties of the president, and the remaining offices will be filled in the order of second, third, and fourth largest total count.

Of the class of forty, the following ten men rank highest: G. Wittekind, C. Stodtman, M. Minter, E. Irwin, V. Robbins, A. Zimmerman, and J. G. Crawford, J. Woodbury, H. Sogin, and J. Barnabee. Elections will be in charge of R. Schneider, temporary chairman of the class.

The night before: He courageously plodded his way to his earthy abode, his rolling eyes perceiving four blinding beacons on each passing noiseless automobile, his head pounding with the untimely beat of his strained heart, his aching torso swaying majestically in the non-existing gale; his knees buckled simultaneously, and suddenly met face to face with the massive concrete structure beneath his swollen extremities. His fighting spirit bore him up, and on he trudged. Apologetically, he excused himself as he ruthlessly scraped a stately oak, and again as he bore down upon an unsuspecting elm. With renewed strength he vigorously hurled his



Well, men (may we address you so personally—gosh, thanks), unlike the W.P.A. we have not been leaning on the shovel the past week. It is too bad that some of the items we uncovered have to be censored. Oh well, there are plenty of uncensored ones (and how!)

Ed Osterberg. You have heard the name before. Think hard. It was not under a help wanted column, nor was it under the for sale column. Well, to get to the point, the above mentioned senior juicer once more surges to the front in a bid for the A.S.L.S.S. crown (American Society of Love Sick Students) and the N. and N. cup (Neck and Neck). Gotten a date by Larry (I fix 'em) Strocchia with a young lady from National College of Education, he proceeded to have a merry evening roller skating with some other senior juicers and their dates. This super wolf on the way home put his hat on his dates head, pulled it down over her eyes and tried to neck with Larry's girl friend. No luck. Five nights later he again dated Ruthie for the Goodman theatre concert, but again he didn't have much luck at picking woo. However, the evening was a success. Quotes Ed: "She kissed me good night—on the cheek."

Well, enough of this prattle. . . . FRIDSTEIN is looking for an India rubber man. Advertising his tuxedo as for sale cheap, he stated: "Will fit a man between 5 feet 6 inches and 5 feet 10 1/2 inches." Wonder if that means the pants will be worn as knee britches on the taller man, or if a short man would have to stand in the rain and let it shrink?

We have a chef among our faculty! Yes, none other than Benny (Super-Salads) Freud, our eminent professor of chemical engineering. He astounded his class with the amazing statement that he, and only he, could make good salads. Pardon us, not good salad, but super-salads. His method may be stated as follows. For his "Eureka salad" (it reeks all right) he takes garlic and waves it three or four times over and around the salad bowl. This, he adds, gives it its superb flavor. The rest of the salad is his own chemical secret. Quoting Prof. Freud: "I have trained my family to like garlic."

The newest title of "STUMPY" STERNFELD is "maternity editor."

From "personal" column of the Chicago Trib.: "John from Aurora—Worried. Call Alice. Atlantic 3897." Not that it makes any difference but JOHN DOYLE is from Aurora, and the clipping was pasted on his locker door.

Ask HAL DAHLIN if he wishes he were in Florida with his folks. Is the house open for the boys to drop in for poker, Hal?

It wasn't Mr. Erickson's cigarette that was burning after the concert the other night when "the boys" swung into a jam session while waiting for the photographer to set up his camera for pictures. However, the hep cats really put "Sweet Sue" and "Basin Street Blues" in the groove like a real bunch of rug cutters. Frowned "O. G.," "call me a taxi." Incidentally it was a PLEATED front that he had on his tux.

Brainstorm of the evening happened just before the concert started. A freshman co-op student member of the glee club suddenly noticed that he had on a black and white polka dot bow tie instead of the regulation black one. He promptly tried to cover up his error by filling in the white dots with ink from his fountain pen.

No wonder Don Charleton fairly shook the house with his slide trombone. The little lady he brought along was a real eye full. How about a date—Pal?

Misfortune came after the concert to JOHNNIE KEANE. Heading west on Adams in his car, he plowed into the rear end of a car waiting for the green light at Michigan Boul. He spent the next two hours trying to push the wreckage of the grill and fenders into such a position that he could drive the car. Meanwhile, his blonde date just sat and sat.

Gene Worcester's girl friend had that look in her eyes as he walked with her during the intermission. Watch out, son.

A nice twosome—TOM CLARK and MARGE CARLSON.

Paul Henriksen was much in evidence during the intermission of the concert with his sweet little girl friend. Oh, boy.

Bright freshman went up to TONY at the chem supply window and said: "Hey, Tony! Give me 5 grams of titrate!" Tony, puzzled, replied: "You want 5 grams of—what?" "I said," replied the innocent frosh, "titrate. Look. It says, 'add phenolphthalein and titrate.'"

During last Friday's rehearsal of the Armour Players, the psychic character of one of the Normal girls was unexpectedly verified. Christopherson asked the girl to sit on the other side of the room with Kalnin and go over her script. Despite her brief acquaintance with E. J. she wisely remarked, "All right, if he'll be good." They say you can always tell a man by the mug he wears. Oh, well.

bony remains against the immovable entrance to his homestead, swearing by all the gods and goddesses that guided him there to give up boxing for all eternity. Harold Kruse, 4-A was tired.

Each of us has undoubtedly had his share of hair-raisers, but for a sure-enough blood-curdling chill, have Birger Johnson, 4-A, tell you about the steam engine that almost carried him to the hereafter.

"There's always a first time" was definitely established last Wednesday when "Sure-I-got-it" Beckman, 4-A, entered this educational institution without "It"—his homework.

Basketball: The annual co-op basketball tournament is to be played next month. Last year's champs, the pre-juniors, are the first to organize

and challenge any and all co-op teams to take the title from them. With Don Jones, the Joliet Flash, playing with the 4-A's this year, little doubt remains (in the minds of the juniors) as to who will claim the title.

In the classrooms: A few of the things we learned in the law class: If you're under twenty-one you can cut loose when and as you please. . . . Forest Preserve contracts are null and void. . . . The lectures sound much better from the inside a cinema palace (ask "Flash" Jones). . . . Don't never sign nuthin'!

"Doc" Winston (analyzing the squeaks, groans, and peculiar actions of a certain pre-junior): "Hm-m. Worms. . . . Very contagious and nerve-wracking."

Wascisco: "No, Doc. It can't be! You mean I'm a. . . a. . . jitter-bug?"

Techawks Beaten by DeSales; Close Season With 5-9 Record

DeKalb Game Bright Spot of Year

By Herb Sher

Ending the season with a 56 to 35 defeat by the De Sales basketball five from Toledo, the Armour squad looked back upon a fair season of 5 victories against 9 defeats, five of the defeats being the last games of the schedule.

The Techawks started the season with a 30 to 29 victory over Chicago Teachers College, Ed O'Connor, a newcomer, scoring ten points to be high scorer of Armour, and Hank Sliwa, a sophomore making his first appearance with the varsity, was runner-up.

Arkansas St. Second Victim

Arkansas State was the second victim in a row for Armour to the tune of 37-34, with Capt. Ed Swanson taking individual scoring honors, throwing 15 points through the hoop.

Defeat struck the Armour five at Lake Forest when the Techawks lost 33 to 29 despite Sliwa's standout playing. Failure to stop Harrison, Lake Forest forward who scored 12 points helped defeat Armour.

The next game with De Kalb set the Techawks back on a winning basis when they beat the potential Teachers 36-31. This game was the most prized victory of the season for the Armour quintet.

U. of C. Has Easy Time

The most important game of the season, the game against Chicago University, was played next. Armour immediately went into a 6-1 lead but were then stamped upon by the Maroons, who went on to win 48-11. Only three men, Swanson, Norkus, and Sher scored for the Techawks during the entire game. Lounsbury of Chicago scored 20 points to take scoring honors.

A return game with Lake Forest also resulted in defeat, as the Lake Forest five overcame the Tech team 55-45. Maiman scored 20 points for the visitors, while Swanson took high honors for the home five by scoring 11 points.

George Williams helped Armour get back in a winning stride by going down to defeat 30 to 26 in a defensive battle.

Elmhurst Wins in Overtime

Defeat again struck the Armour quintet when they met Elmhurst College. After being behind at half time 17-12, the Techawks rallied to a 29-23 lead with 1½ minutes left to play. However the team failed to hold this lead and when the gun went off the score stood at a tie 31-31. In the overtime Elmhurst made 6 points while holding Armour scoreless and won 37-31.

The Coliseum was the scene of the second game between the Chicago Teachers College, and the Techawks, with the Teachers again falling victim to Armour's attack. King of Chicago Teachers scored 17 points but could not pull his team through, for when the smoke of battle cleared, Armour was on the long end of a 34-29 score. In this game 5 men went out of the game on fouls.

Trip Proves Disastrous

At this juncture a disastrous losing streak struck the Techawks for they lost all of their remaining five games. The streak started on a trip to Toledo where they fell to De Sales College 51-35. They next journeyed to Detroit, where the University of Detroit made 60 points to Armour's 35 in routing the Chicagoans. Hank Sliwa, Armour forward, made good in these two games by scoring 23 points.

After returning home the team met North Central, but despite the absence of Leasure, North Central star forward, went down to defeat 29-25. Rupe Weber played a nice game for Armour and looked good despite defeat.

Detroit Tech came here next and helped Armour's losing streak by beating the Techawks 40-33. De Sales ended the season for Armour and the college basketball careers for Capt. Swanson, Kubicka, and Hofmann with the 56-35 defeat of the Techawks previously mentioned.

Returns give Capt. Swanson scoring honors with 119 points, and Ed O'Connor second with 81 points. The Techawks scored 446 points in their 14 games for an average of 32 points per game.

Visitors Too Fast For Cagers

Unable to cope with the superior passing and perfect teamwork of the visiting De Sales College of Toledo, the Techawks quintet dropped its final game of the year by the tune of 56 to 35.

From the offset it was apparent that the local team was in for a great deal of running around as the visitors threw the ball all over the court as they sank one shot after another. Despite the terrific speed of their opponents, the Institute team stayed close until midway in the first period when Thompson and Blackburn got busy and tallied 10 points in rapid succession.

For the Techawks, Norkus was the individual star with fourteen points to his credit, while Swanson's six was next in line. For the Toledo team, Blackburn with eleven was top man.

Coming out for the half trailing 32 to 17, the Techawks rallied and drew within ten points as De Sales seemed to tire, but the rally failed as the Stengerites tired and De Sales stepped out and constantly increased their lead.

The amazing item in the De Sales attack was the fact that all but one of their twenty-two baskets was a push-up shot, and that shot was a pot shot from the free throw line.

DeSales (56)				Armour (35)			
	4	1	3		B. F. P.		
Dorat, f.	4	1	3	Norkus, f.	5	4	0
Thompson, f.	3	3	1	O'Connor, f.	2	1	2
Blackburn, c.	5	1	2	Swanson, c.	2	2	4
Meise, g.	0	2	1	Scherer, c.	1	0	2
Sullivan, g.	4	1	1	Sliwa, g.	0	1	0
Mossr, f.	1	1	2	O'Connell, c.	1	2	3
O'Connell, c.	1	2	3	Smith, g.	3	0	1
Smith, g.	3	0	2	Herman, g.	1	0	1
Herman, g.	1	1	0	Weber, g.	0	0	1
	22	12	16	Hoffman, f.	2	0	1
						13	9

Swimmers Seeking Fourth Win Today Against Williams

This afternoon at 1 o'clock in Bartlett pool the Techermen will be splashing through the waves in an attempt to make George Williams college their fourth straight victim.

Not much is known about the fellow south side swimmers, but considering that future Y. M. C. A. instructors receive their training there, much can be expected. A few years ago Armour and George Williams were bitter rivals, both meeting each other twice during the season. Today's meet will be revival of the old feud.

Swimming for the Engineers, will be Capt. Winblad, and Bell. Both of the score mainstays have been out of action in the last meet due to illness.

At Kalamazoo Friday Kalamazoo will be the destination of the Techawks when they leave the vicinity of Chicago Friday afternoon. Although the meet is scheduled for Saturday at 2:30 p.m., the 300 and some miles trip justifies the extra day. The trip will be made in cars. It will be remembered that a little over a week ago the Techawks severely trounced the Michigan men by the score of 48-30. This was the greatest amassing of points by the team this season.

For their last traveling meet of the season the squad will shoot off across the prairies to Peoria. In the Peoria Y. M. C. A. the boys will have to contend with a 42 foot pool while trying to outswim Mr. Davis, seemingly Bradley Poly Tech's star free styler and diver. In the recent meet with the Armour men Davis won four events. However, Armour was without the services of Captain Winblad, Bell, and Blumberg. Although the matter is purely speculative, Blumberg might have won the diving, and Bell the 100 yard breast stroke.

Then there is the Polytech side of the situation. They were able to swim five men, the rest of their squad

	G	B	F	FTM	PF	TP
Swanson, c.	14	43	33	33	14	119
O'Connor	14	32	17	35	21	81
Sliwa	14	28	14	22	17	70
Norkus	10	22	17	14	15	61
Scherer	14	18	18	20	18	54
Sher	11	11	2	6	3	24
Kubicka	7	4	4	18	12	12
Lurz	10	4	1	7	0	9
Hofmann	9	4	0	7	1	8
Barrett-Smith	6	2	0	1	0	4
Janicek	11	1	0	7	4	2
Weber	4	0	2	3	2	2



By Jim Fahey

We had heard several stories concerning this De Sales quintet which struck Armour last week, and now we believe every one of them. In our short experience of seven years of observing basketball, we can say that only once have we seen a team as well coached as this Toledo team, which, figuratively, ran the legs off the Techawks and that team won a National Interscholastic Basketball championship.

This Toledo outfit had speed to spare, perfect passing, perfect teamwork, no dribbling, and an uncanny ability to sink push up shots. A study of the records shows that only one, mind you, just one basket was made from other than beneath the basket. That one was a pot shot from the edge of the circle.

Against this attack, the Techawks threw a fighting spirit such as has never been shown before. Despite the opposition's rapid scoring, the black and gold colors were flying high until the boys just couldn't go any more. To pick a standout for the Techawks would be like looking for a loss in Loyola's schedule. Swanson, Kubicka, and Hoffman all played their last games, as if it were for the championship, but they had to give way to Lloyd Norkus, who was high scorer for the Techawks and chief-pest-in-general for the DeSales outfit defensively.

It was a fine sight to see the marvelous turnout of Armour students who came out to see the last game of the year. Had the two teams withdrawn from the floor at any time the building would have been as silent as awe and private as a grave.

Basketball men do deserve an expression of appreciation for the efforts they made this past season. We believe that if we inform the student body that this team forgot to enroll in the alibiology course, it will explain our feeling. Regardless of what has been said before, the team did their best against superior opposition and what more could any one ask for?

Seems like the swimmers and wrestlers are hitting the winning ways in full stride. The water wingers have won three in a row while the grunTERS tied that feat last Friday against De Kalb. The latter earned a big feather through their victory over the Boilermakers from Purdue a week ago Saturday. It was a hard job to get a Big Ten team to wrestle the Techawks and now we understand why. The Sonny boys are nobody's pushover and the big schools knowing it, keep away from the boys while they are winning. We don't blame them.

being too ill to make the trip. As a matter of fact, their best backstroker was forced to stay in Peoria, temporarily made immovable with the flu. Thus it remains a question as to whether Blume and Talcott could have taken the backstroke if the Bradley man was there.

Bradley Meet To Be Close Nevertheless, a 32-30 meet means that another match with Bradley will result in a similar, close-fought contest. In the short pool it is a question of who can make the best turns, as there are seven turns to be made in the 100 yard free style, instead of the usual four. It was noticeable in the last meet with Bradley that the Peorianen always came out of the turns a little ahead of the pursuing A.I.T. tankster.

When March 8 comes around, the date of the match with Bradley, it is hoped that both teams will be at full

(Continued on page four)

Matmen Win Revenge Meet With Teachers

Revenge was the word at the Armour gym last Friday night when the Techawks outwrestled the De Kalb Teachers in a close, hard-fought match, 17-13, to make up for an earlier defeat at the hands of the Teachers, 19-9. The outcome of the match was in doubt up to the final bout, the victory coming on Harrison's decision over Hopkins of the Teachers on a time advantage of 5:34. The Engineers won on four decisions and a pin. Captain Tullgren got that only Armour pin in short time, slightly dislocating his opponent's shoulder.

McDaniel and Warren fought an even fight at 128. At the end of the first three minutes neither man had been laid on the mat, so, on the flip of a coin, McDaniel chose to be down. For the next three minutes the tide of battle see-sawed back and forth with Warren of the Teachers being put down at the six minute mark. From there Warren went on to beat McDaniel with a time advantage of 2:01 and give the visitors a three point lead.

Ropek Evens Score

Ropek at 135 evens things up in another close match with a time advantage of 1:15 over Chamberlain of the Teachers. Ropek had several chances to pin his man, but Chamberlain was just elusive enough to break every good hold.

Till came on to the scene at this point and, wrestling at 121, gained a time decision of 6:50 over Shores of the visitors. Till came close to pins several times but had to be content with a decision good for three points. Hanna was pinned for the first time this year when Taxman, 145, of the Teachers, dropped him in 8:15. Prentice, 155, of De Kalb, added another five points to his team's total with a pin over Wolniak. This win gave the visitors a 13-6 lead and was the last bout they won. Wolniak is a newcomer to the Tech squad and was wrestling his first fight under the Techmen's colors. He was able to meet his opponent on an even basis for the first of the bout, but Prentice's experience and endurance came to the fore and pinned the Armourite in 5:15.

Kazmierowicz Wins Easily

"Kasz" put the home team back into the win column and started them on their winning rally by grunting out a time advantage of 2:07 over Davenport of De Kalb. Captain Tullgren at 175 showed that he meant business by starting out in a hurry after Hunt and pinned his opponent in the short time of 1:05. In whip-

Rifle Club Rings Up Third Victory of Long Schedule

Bill Mashinter, president and number one sharpshooter of the Armour Tech Rifle Club, has released the present schedule of the rifle team, which includes all matches through the first of April. This schedule includes only the postal meets which are definitely arranged. Others may be added as challenges are accepted.

Wheaton College and Brooklyn Tech have been sent scorecards, which were fired last Friday, but the results of these matches are not as yet known. The competition with Wheaton is a return duel, the Techmen having defeated the college squad earlier in the year.

Oil Fields Rifle Club of Montana recently forfeited the match in which they had supposedly defeated Tech's riflers. The forfeit gives Armour a record of three victories against no defeats. The two other wins were scored over Stephens Institute of Technology and Wheaton.

Northwestern Naval College, Wilmette Rifle Club, Northwestern Military and Naval Academy, Drexel Tech of Philadelphia, and possibly Yale or Harvard universities furnish the competition on the present schedule. An outdoor meet will be fired against Wheaton in the early part of spring.

Besides Mashinter, the regular members of the shooting team are Gus Galandak, "R. 'Zombi'" Miller, Joe Hartman, and George Bjornstad. The turnout of new men has been fairly large, and it is hoped that a number of promising riflemen will blossom forth from this group.

ping his man, Tullgren stood Hunt on his neck and dislocated his shoulder slightly. Tullgren's victory gave Armour a 14-13 lead with the outcome of the meet resting on the outcome of the final match.

Harrison, wrestling at 140, due to the fact the Armour didn't have a heavyweight available, had the advantage over Hopkins of the Teachers all the way. In the last couple of minutes Hopkins got a pin hold on Harrison, but the Armour man squirmed out beautifully and won his bout and the meet for Armour, 17-13.

Summary:

121 lbs.—Till (A) over Shores (D) Time advantage 6:50.

128 lbs.—Warren (D) over McDaniel (A). Time advantage 2:01.

135 lbs.—Ropek (A) over Chamberlain (D). Time advantage 1:15.

145 lbs.—Taxman (D) over Hanna (A). Fall 8:15.

155 lbs.—Prentice (D) over Wolniak (A). Fall 5:15.

165 lbs.—Kazmierowicz (A) over Davenport (D). Time advantage 2:07.

175 lbs.—Tullgren (A) over Hernt (D). Fall 1:05.

140 lbs.—Harrison (A) over Hopkins (D). Time advantage 5:34.

Wrestlers Head For Cleveland, Culver Meets

BOXERS TO CULVER

This week will be an eventful one for the boxers and wrestlers, for in this time more of Armour's athletes will have a chance to show their prowess than at any other time during the year. Meets with Case School of Applied Science in Cleveland and Culver Military Academy will send a group of about 30 of Coach Weissman's boys out in search of victories next Saturday.

The meet with Case will be the first time that the two schools have met on the mat. Case will present a formidable lineup, and the Techawks "A" mat team will carry Armour's colors into the fray. Since the Case and Culver meets occur on the same day Tom Collier will accompany the number one team to Case, and "Sonny" will go with the "B" team and boxers to Culver.

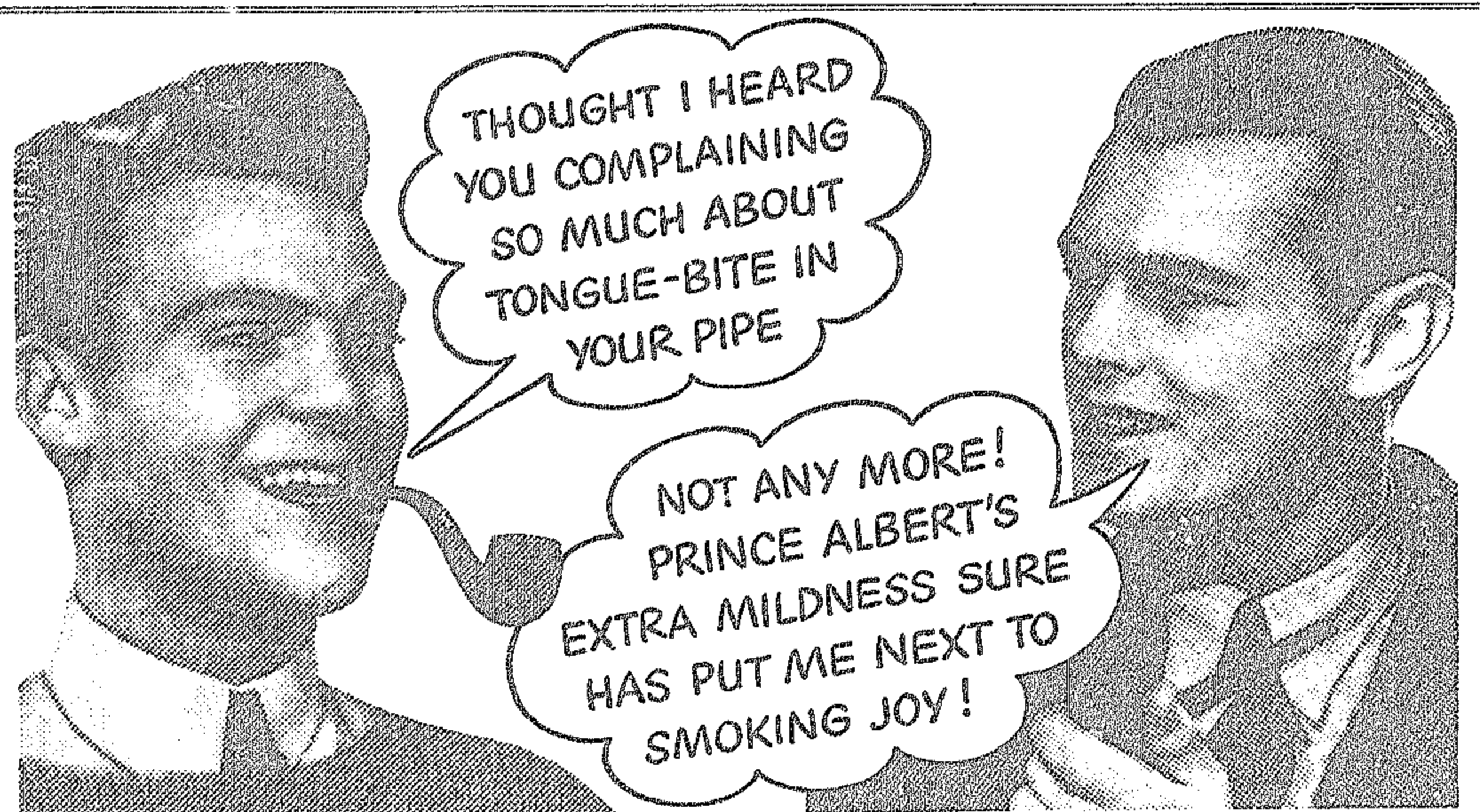
Regulars Go To Case

The regular lineup will make the trip to Cleveland and will include: Till, 121; McDaniel, 126; Ropek, 135; Hanna, 146; Nigrelli, 155; Kasmierowicz, 165; Tullgren, 175; and Pocius, whose arm should be healed by that time, at heavy.

Both the wrestlers and boxers will have a chance to see action at Culver. Last year the engineers came through with a double victory over the soldiers and will be trying to repeat this triumph. Those who will make the trip include: for the wrestlers: Siew, 118; Cole and Wagner, 125; Harrison, 135; De Boo or Wagner, 145; Butkus, Baum, or Thodos, 155; Jensen 165; Carlson or Wellman, 175; and Balsewick at heavy if his knee is in shape again. The boxers who will be getting their first real test of the season are: Colant, 125; Cappadano, Collins, Kruse, or Erickson, 136; Aberer 145; Tom Clark, 155; Peterman, 165; Rehwaldt or Rothenburg, 176; and Gryglas at heavy.

Golden Gloves Do Well

Some of the boxers saw action for Armour last week in the Chicago Tribune Golden Gloves novice division. Peterson, Kotulla and Erickson, fighting in the Loyola section, were defeated in their first bouts. Colant, fighting in the same section, won his first bout and advanced to the quarterfinals before meeting with defeat. DeGeorgi, who fought at White City, made the best showing of the Armourites by winning two bouts before being eliminated.



THOUGHT I HEARD YOU COMPLAINING SO MUCH ABOUT TONGUE-BITE IN YOUR PIPE

NOT ANY MORE! PRINCE ALBERT'S EXTRA MILDNESS SURE HAS PUT ME NEXT TO SMOKING JOY!

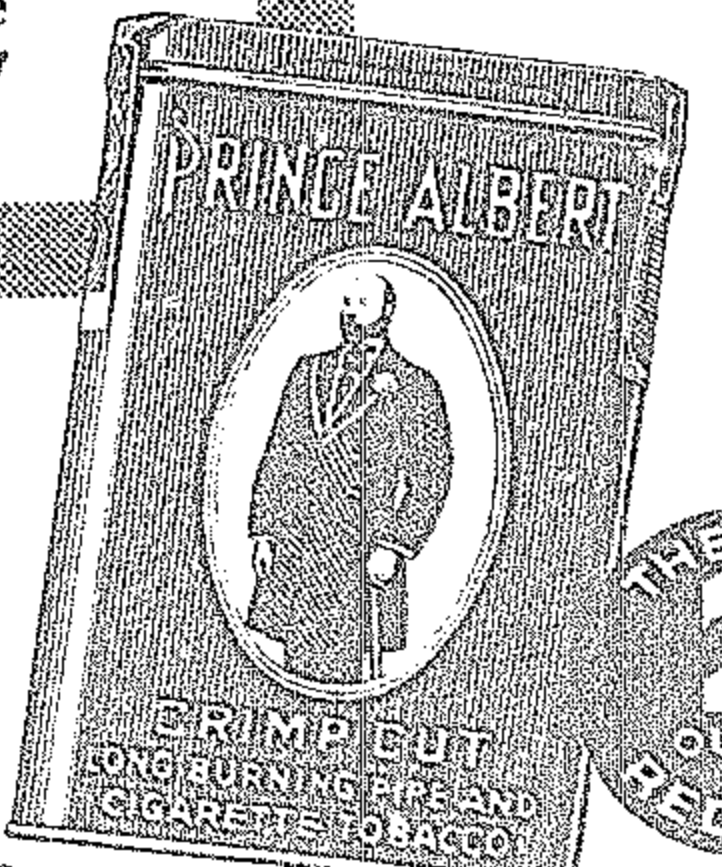
Breaking in a pipe? Make it easy on your tongue! Fill up with "no-bite" treated Prince Albert and enjoy EXTRA MILDNESS, plus FULL, RICH BODY too. P. A. cakes your pipe up RIGHT—never too moist. It's "crimp cut!" Draws easier, BURNS SLOWER—SMOKES COOLER, with the grand aroma of rich, ripe tobaccos. Say "PRINCE ALBERT" today!

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.

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

PRINCE ALBERT



SO MILD—SO TASTY

THE NATIONAL JOY SMOKE

Trackmen Drop Meet to Loyola As Elson Stars

SCORE 60½-35½

Failing to score in the running events, Armour's track squad suffered an unexpected defeat from Loyola last Friday at the University of Chicago fieldhouse. The final score, which showed the northsiders winning all but one running event, was 60½ to 34½.

It was a former St. George High School runner, in the person of Bill Elson, that brought Loyola to victory. Besides winning the 60 and 440 dashes, the former Evanstonian ran the anchor position on the winning half mile relay team.

For the Techawks, Rothenberg and Vandekieft garnered high scoring honors. Harvey came home first in the low hurdles, second in the highs, and third in the 60 yard dash for 9 points. Captain Van took first in the shot put and second in the high jump for his 8 points.

In winning, Loyola swept both the quarter and two mile runs, while the best Armour event was the pole vault where 8½ points were seized. In the mile run Layden and Lenover of Loyola crossed the finish line together for a tie.

In the pole vault, Elwood and Dixon tied for first place at 10½ feet with Heidenrich, a co-op, taking a tie for third. In the 70 yard low hurdles Rothenberg avenged his high hurdle defeat by Lancaster by beating him to the tape in the time of :08.5.

This Saturday, the Techawk squad will travel to Naperville for the Midwest Track Carnival unless another attack of influenza attacks the team.

Summaries:

ONE MILE RUN—Layden and Lenover, Loyola, tied for first; Fisher, Armour, third. Time: 4:44.3.

60 YARD DASH—Won by Elson, Loyola; Cerovski, Armour, second; Rothenberg, Armour, third. Time: :06.6.

SHOTPUT—Won by Vandekieft, Armour; Burman, Armour, second; Dirksen, Loyola, third. Distance, 41 feet 11½ inches.

440 YARD DASH—Won by Elson, Loyola; Home, Loyola, second; Beauregard, Loyola, third. Time: :52.4.

POLE VAULT—Dixon and Elwood, Armour, tied for first; Heidenrich, Armour, and Knoll, Loyola, tied for third. Height, 10 feet 6 inches.

70 YARD HIGH HURDLE—Won by Lancaster, Loyola; Rothenberg, Armour, second; Ramker, Loyola, third. Time: :09.9.

TWO MILE RUN—Won by Essig, Loyola; Wagener, Loyola, second; Lenover, Loyola, third. Time: 10:30.

880 YARD RUN—Won by Reidy, Loyola; Ryan, Armour, second; Beauregard, Loyola, third. Time: 2:07.2.

HIGH JUMP—Won by Graham, Loyola; Vandekieft, Armour, and Kiely, Loyola, tied for second. Height, 5 feet, 10 inches.

70 YARD LOW HURDLES—Won by Rothenberg, Armour; Lancaster, Loyola, second; Ramker, Loyola, third. Time: :08.5.

HALF MILE RELAY—Won by Loyola (Sater, Howe, Brockman, Elson). Time: 1:37.1.

Mathematics Solves Matrimonial Problem

Your kind attention is first called to the more or less well known proposition that, under certain considerations, two are equal to one.

- Let $X=A$
- Multiply through by A
 $A X=A^2$
- Subtract X^2 from both sides
 $A X-X^2=A^2-X^2$
- Factor both sides
 $X(A-X)=(A+X)(A-X)$
- Divide by $(A-X)$
 $X=A+X$
- Setting $X=1$ in equation
1) We have
 $1=2$

Now let us take a man, and denote him by "A" and a woman, and denote her by "X," and let us "join them mathematically," by the foregoing reasoning. The application is a perfectly rational one because when a man and woman allow themselves to be joined in matrimony, they believe that they are absolutely equal, and therefore $X=A$ is correct.

Now it is demonstrated above that if X and A separately are equal to each other, X and A added or joined together are equivalent to X alone. But it is very easy to see that X and A together cannot be equal to X unless A is equal to zero. The complete analogy to matrimony is now evident. When a man and woman are joined together in holy matrimony, the two are made one, and it is always the man that becomes insignificant.

In the mathematical demonstration above, in order to obtain $X=A+X$ both sides of an equation were divided by $A-X$. But if $X=A$, dividing by $A-X$ is the same as dividing by zero. It is to be remembered that a definite answer cannot be obtained by dividing anything by zero, and for this reason the demonstration is not a rigorous one. $A+X$ is equal to X only on condition that it is agreed that the equation can be divided by zero, or that the equation can be "divided by nothing." And thereby is a great secret divulged.

Stoopbrain Wows Concert; Hits Telegraph Pole, Plunging Entire City into Darkness

Deer Sally,
Wel, I am geting intew the row-tine of the second semester of skool, and things owr setteling down withe a splash. Are grate newspaper—the Armore Wreck Newz, haz a knew staf, but sorey az wea are tew sea the olde staf goa, wea are shure glad tew greet the new staf and wish them grate success.

Won of the big events of owr skool yeer wuz the glea club an orkestra koncert, of wich I am a feutured member of the first. It wuz held at the Goodman theater and wuz a big success. The applause wuz thunderous az I groover "Yew Muste Hav Ben a Bewtiful Babie, But Jeeper's Kreepers" and then the engineers song "Steep on a Beam." Incidentalley, I wuz able tew bring hoam the groceries—six red tomatoes (ripe), seven aigs (overripe) and a hed of kab-bage.

After the koncert, a bunch of us and our dates went tew a downtown hotel by speshall arrangement withe the manager, who gav us cut rates. It wuz a 76 scents minimum but I fownd owt that if yew got owt of the joint withe a 75 scents tax yew were lucky. However, the danzing girls in the floor show were shure hot (they muste hav ben, because they didn't hav hardly any kloze on). The gal I had withe mea wuz swel except while we were eating shea kept taking owt her falze teeth and putting them in her water glass. Yew no, deer Sally, this Elmira iz the most bewtiful thing wen shca wears her blonde toupe.

You know that there is in the marriage ceremony a phrase: "What God has joined together let no man put asunder," and now, with the aid of mathematics, we are able to see why this phrase was introduced. It was meant to convey the idea to the man and woman that "nothing can divide them." And they live happily ever afterward, she running things, and he perfectly content with his insignificance as long as he agrees that "nothing can divide them."

Another bige affare iz sune tew cum off az part of the skool soshall season. I meen the Junyor Formall, and I am asking, in fact inviting, yew tew cum to owr fare city so that I may escort yew personalley az my date. Yes, my sweet mountin flour, the danze iz in tew weaks, so get owt yew're longest and swankiest gingham withe the least back and no shoulder straps. Yew'll hav the ideal formal. I wil where my white tux and tales and my top hat and cane. The danze wil bea held at the Senate or iz it the Congress Casino. Sniff Williams and hiz radio orkestra owr going tew furnish the musik. We'll show theze city slickers a thing or tew abowt danzing withe owr own danze—the "Mountin Dew Shag." Bea shure and get a jug of good olde mountin dew frum Uncle Flatbrain Hiss tew prime us fore the danze.

Last weak I went owt tew commemorate owr grate and late President Washington's birthday. Going tew State and Madison streats withe my hacksaw and hatchet, I cut down the biggest and fastest telephone pole I culd find. The only trouble wuz that it wuz made of metal and it took mea quite a while. Wat I could not fathom wuz that a mounted cop kame dashing up tew mea and wen I tolde him that I did it and culd not tel a lie he sez, quote, I cannot tel a lie, either. Yew're going tew the jug. Wel, Sally, the inside of a jug hear iz a lot different than the jugs yew drink owt of. Wel, I won't goa in-tew detales, but the next morning my case wuz called and the clerk red off the charges tew old Judge Geezer. Quote, cutting down won steal lamp post, destroying public property, knocking down street car trolly wire and putting 300 cars owt of service fore tew howrs, interrupting 4,000 telephones in surrounding office buildings. Withe the telephones owt of commission business in the loop wuz at a standstill, including the stock exchange and bored of trade.

The stock market in New York, not heering from Chicago, thot a terible catastrophe had ocured and shut

ARX BANQUET—

(Continued from page one)

Holland are built with a great deal of care and said "they give the appearance of buildings built with pleasure." He doesn't want students to design buildings that can't be built; "both exteriors and interiors must be built honestly, of straightforward construction, and with purpose and reasoning."

He commented on the necessity of investigating what a structure really is and what its requirements are. He said the material phase of civilization and the cultural side of architecture is important in architecture, but not quite so important as the "organic principal which requires the placing of everything in accordance with its value." With this principal we should consider a wall as an element, a pier, column, etc., as individual elements and deal with each separately, as the Greeks realized in their masterpieces.

The new director concluded his speech saying that he wanted students to have impetus when, after graduating, they enter the practice of architecture; while in school he wants the student to solve some of the simpler practical problems so that upon graduation they can turn their attention to greater issues.

down for the daye. The London stock exchange, noting that the New York exchange had shut down and that stocks dropped 50 points because of it, thot maybe war had ben declared sumplace and it notified the British War Ministry (no preachers). The world wuz on the verge of collapse, according tew this report of the clerk tew the judge, and by thiz tyme I wuz on the verge of collapse. Wel, the judge sentenced mea tew hang. In short order I walked up the 13 steps, the noose wuz secured, the trapdoor opened, and I dropped. . . . I woke up on the floor beside my bed and vowed I wuld never eat cheeze rarebit and herring befour I went tew bed agin.

Wel, muste kloze. Az the little duckling hoo wuz so embarrassed because hiz pantz were down sed, quote:—wheat iz going up, but the price of wild oats will always remain the shame! Yures,
Stoopbrain Bliss.

Captain Applejack To Be Produced by Institute Players

Continuing their current string of productions, the Armour Players have started rehearsals of their forthcoming play, "Captain Applejack."

This play, one of an Arabian Nights entertainment mood, will be given on April 21 and 22 in the Student Union. As at the last play, dancing will follow the evening's dramatic entertainment.

Selection of this particular play came after a consideration of the plays which would be of general interest. Because of this, it is anticipated that the entertainment it will afford shall surpass that offered by the last production.

An influx of new members has swelled the membership of the players' staff to practically double that of the previous play, and this has enabled Mr. Christophersen, the director, to select two casts to allow more students to obtain dramatic training and to guard against any chance of having an unforeseen gap appear in the company.

Those students who have already been cast in various parts are Charles MacAleer, Gene Kalnin, Richard Han-neman, Robert Underhill, Albert Sannowski, Arthur Minwegen, Guy Morris, Alfred Banas, William Zehr, Hugo Geissler and Zenon Prane.

The female parts are to be filled by Loretta Turner, Dorothy Kennedy, Angela Palma, and Irene Lund.

Any student who wishes to obtain some position in the players either as an actor or a technician may do so by seeing a member of the players, or by calling at Mr. Christophersen's office in the English department.

Tickets will go on sale the latter part of the week and may be obtained either from a member of the players or at the book store.

The seats shall be reserved, and those who wish to obtain the best will find it advisable to purchase them early, while a complete selection is available.

Armour Tech Hawks Enjoy Fonseca Baseball Picture

Lew Fonseca, authority on baseball pictures, presented a movie about the American league last Saturday afternoon in the Union building. The movie, which was enjoyed by all attending, was sponsored by the socially active Night Hawks. Mr. Fonseca has devoted a number of years lecturing and presenting movies to the public in order to stimulate a greater interest in baseball, America's greatest pastime. American league fans attending had an opportunity to see in action the great players that will compete against the National League in the coming All-Star game.

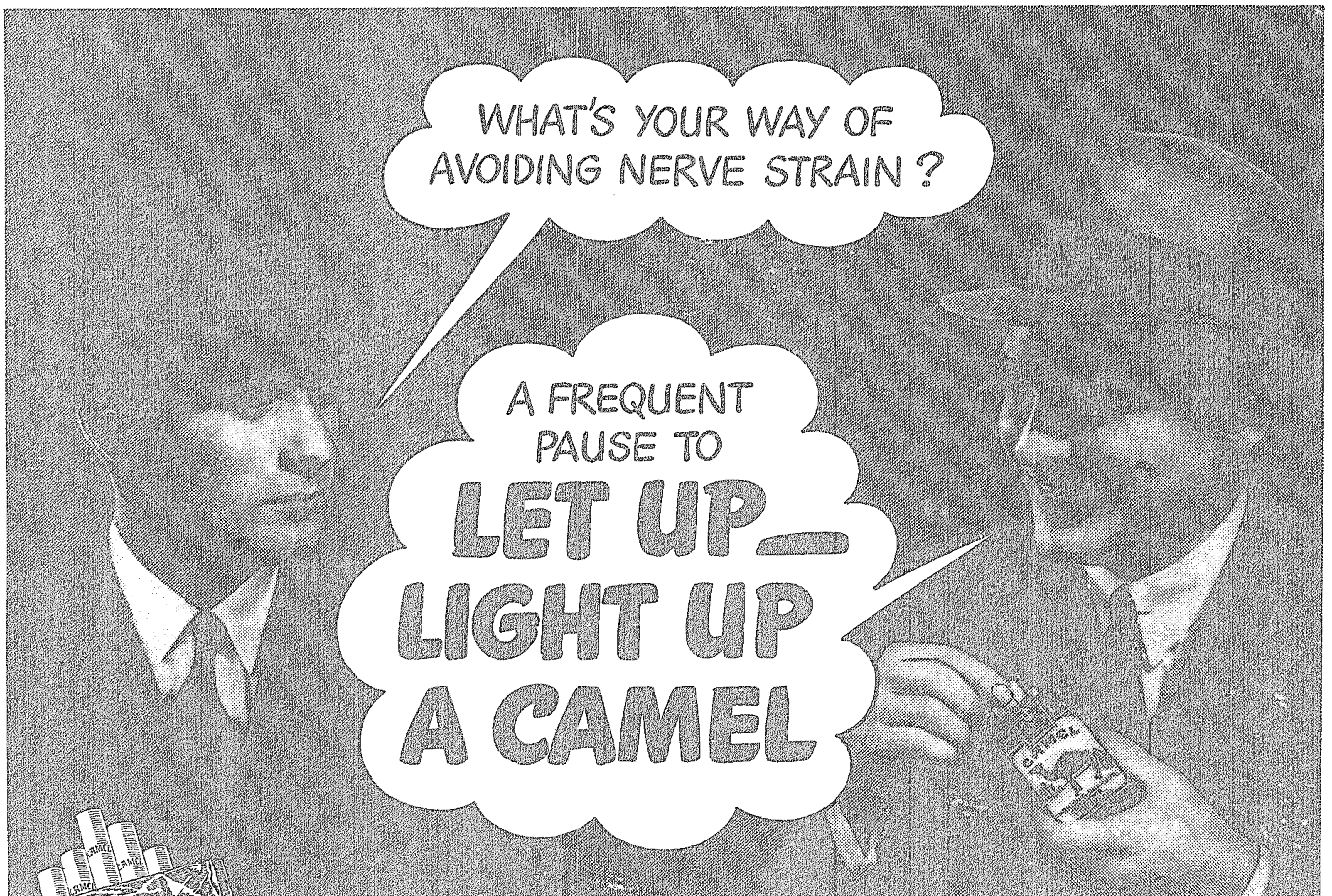
J. J. Schommer, athletic director of Armour Institute and authority on football, gave one of his well-known talks, "Famous Fighting Football Decisions." The students of Armour will look forward to Lew Fonseca's return next year with the coming season's baseball pictures.

SWIMMING—

(Continued from page three)

strength, and that no one man will be called upon to do the irregular and illegal act of participating in four events.

If the swimmers take but three more meets during the remaining of the season, and there are five more meets left, they will have won more than half of their matches. This will be something that no recent Tech team has done. At the present it looks as though wins over Kalamazoo, George Williams, and Herzl are quite sure.



SMOKERS FIND— CAMELS NEVER JANGLE THE NERVES

KNOW YOUR PROFS

MR. DUTTON—

"Eighteenth street next?"
Eighteenth street already? Boy! Only ten minutes more! I'll have to hurry! Let's see what I have written so far.

"Professor H. P. Dutton—teacher, editor, consultant, dean, engineer, scientist, artist, and manager. Long as this list may seem, every term applies to him, a smiling, soft spoken gentleman, with a personality that commands your appreciation from the start.

"Professor Dutton was graduated from the University of Michigan in 1914. with a B.S. in electrical engineering. That year he started as an instructor in factory management at Northwestern University's school of commerce, where he has been teaching ever since. Three years later, he became assistant professor and subsequently, associate professor. In 1924 he was appointed professor of management.

"In 1933 he came to Armour Institute as acting chairman of the social science department, as well as professor of management. These positions he has held to date, as well as that of Dean of the Evening Division, which he received this year.

"He has had a miscellaneous consulting practice ever since 1915, which means also that he works out plans for the improvement of a business, whenever it is necessary; he has been an active editor and author. He was associate editor of *Factory Management and Maintenance*, a monthly magazine, and its successor publications, from 1927 to 1936, and was also consulting editor for the year following. In addition, he is the author of three texts: *Factory Management*, published in 1924, *Business Organization and Management*, published a year later, and *Principles of Organization*, which came off the press in 1931.

"Twenty second nix!"

"Yes, he was almost a brain-truster. 'It came unexpectedly,' said Professor Dutton, 'but it gave me a good chance to see Washington, and the N.R.A. was a very interesting experiment, although we could see, soon after it was started, that it was only a matter of time before it would collapse.' He was a member of a committee appointed by General Johnson to study scrip used by big southern companies. He was also an Administration Member of the Machinery and Allied Products Industry Code, which was the master code for a number of miscellaneous manufacturers. These positions lasted from 1933 to 1934.

"He has also run his own firm, Dutton and Company, which manufactured bedsprings, from 1920 to 1925, when he sold it out. Previously he had worked for the Pullman Company, and then for a consulting firm which sent him to Canada to study the Canadian civil service system.

"That's what I have so far. Let's see. How will I write up these facts? Oh, yes. While I'm talking about his traveling I can say that he has been in every city in the country that has a population of 250,000 or more.

"Oh, here's another one about his teaching. He conducted one of the

first schools for employment management in the country. Also, he is listed in *Who's Who in Chicago*, and *Who's Who in Engineering*.

Boy! Here's a list! He is a member of the Society of Industrial Engineers, the American Association of Mechanical Engineers, the Institute of Management, the Taylor Society, the Western Society of Engineers, the American Economics Association, and Delta Sigma Pi, the professional Commercial fraternity. He is also director and secretary of the Society for the Advancement of Management.

He has given talks all over the country, among which are included the following: Gave talks on management in Boston, and in Minneapolis, the latter on the occasion of the dedication of the new commerce building a few years ago; conducted a panel on employee training before the New England Council, an association of manufacturers; talked on motion study at the Chicago Century of Progress; spoke on the economics of pricing and packaging machinery at the last Packaging Conference in the city recently; and, more recently, spoke before the Conference on Vocational Education at which President Heald also spoke.

"Thirty first-a-nix!"

Say, did the train skip two stations, or wasn't I listening? Well, here goes the last paragraph—his hobbies. Professor Dutton is a landscape painter, and uses oil paints, although he hasn't been active in this for about a year. His father operated a greenhouse, and thus he became interested in gardening as a hobby. Landscape paintings also mean an interest in photography, in his case, and he also collects old Chinese and Japanese prints. But his biggest—and by far the most interesting hobby is—studying people. In this connection, he served as an examiner of the applicants that sought jobs under the Illinois Unemployment Compensation Act, recently.

"Thirty-third-a-nix!"

Now I can breathe easier. My story is done.

Fraternity Notes

All fraternity notes must be received by the fraternity editor before 5 P.M. Thursday in order to appear in the next issue.

It would seem that last week's notes gave a mental hot foot to a couple of our revered Mich Boul houses.

VERY IRKED . . .

Phi Kap Lange sent his loving regards and says something to the effect that unless Phi Kappa Sigma heads the fraternity notes, I won't go to Heaven. Also a bit of advice to keep my uncouth hands off the notes received. As much as I want to go to Heaven, I don't make the page layout. About the "censorship," the notes must be written in a readable form. Aside from this, the Phi Kaps are reasonably happy, there being a pledge initiation scheduled for March 3 to be held in none other than the Medinah A.C. Tropical Room. A big turnout of higher ups from the Grand Chapter is expected.

The gentlemen from Triangle seemed mighty displeased over the style in which their notes were revised, to which I can only express regret. This column has nothing but the very highest of regard for every fraternity and fraternity customs. That goes in spades for the entire paper.

HELL WEEK'S HERE . . .

Those things galloping around school are Rho Delta Rho pledges enjoying Hell Week to their little heart's content. If they don't die from sheer enjoyment of the various recreational games created by thoughtful actives, all nine of the creatures will be eligible for the informal initiation scheduled for this

Friday evening and dawn on Saturday morn. These fortunate creatures, and they are fortunate, are Morry Blackstone, Earl Bluestein, Ben Edelman, Bernie Ellis, Norton Ferber, Allan Hersh, Ben Levin, Mort Lowy, and Jerome Pinsky. The last mentioned gent is especially fortunate because Sonny Weissman is going to devote a great deal of time and energy toward providing a few fancy touches for Pinsky's personal initiation.

Jack Steinberger and Phil Rosenberg were added to the new pledge list last week making a total of six. Pledge Captain Joe Heller, who is a recent appointee himself, will be cracking the whip over the new pledges until next fall.

SEVEN SURVIVE . . .

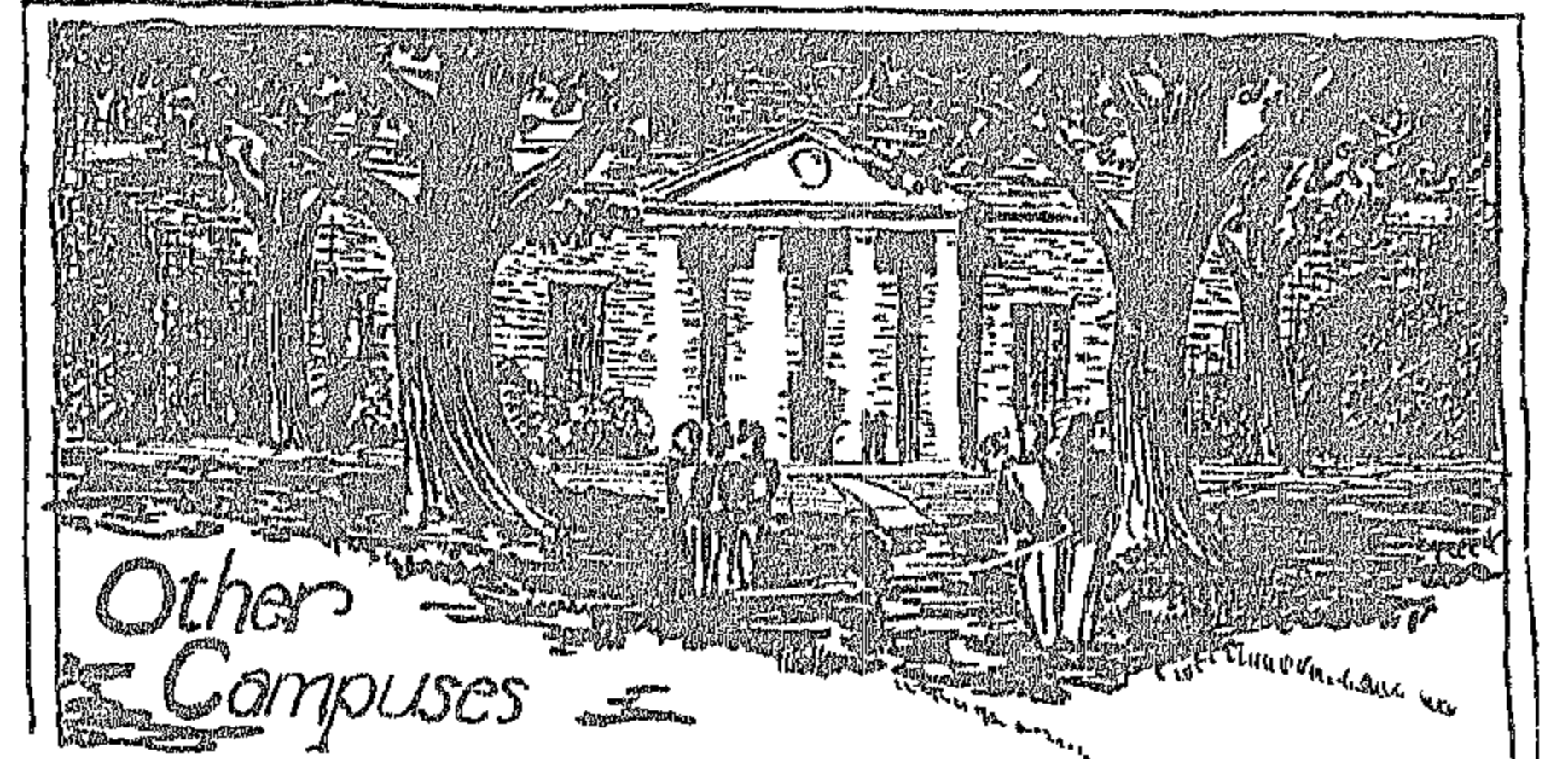
Gamma chapter of Phi Pi Phi reports that Hell Week failed to cut down any of their eligible pledge list. The bright and shiny new actives are Glenn Backman, Ernest Harrison, Jack Henderson, Earle Huxhold, George Hussander, Chris Malleris, and Harry Shaw. To help fill up the new pledge class, four co-ops were taken in. They're Lou Duda, Fred Johnson, John Elwood, and Robert Piepenbrink.

Now that the house dance, held last Saturday, is past, the boys can forget the girls and concentrate on the coming basketball scrap with Delta Tau Delta. Incidentally, this game should be a lulu!

IMPORTANT VISITORS . . .

Last Wednesday's Theta Xi's Alumni banquet in the Student Union brought out some very important alumni. Among the seventy five guests representing fourteen nationwide chapters were Philip Harrington, who heads the Chicago Subway Commission, Federal representatives Waite and Brinkerhoff, and President Heald. They had a nice affair, what with a big banquet in the dining hall, talks by the guests, and a demonstration of Anthony Giovan's picture collection.

The new active in the house is John Mangan, who was formally initiated last week. Pledging are Wyn Rummeler and Lewis Zeinz.



Women are barred from the press box at Notre Dame.

An ambidextrous coed at the University of Alabama writes equally as rapidly with her left hand and backwards as she does with her right hand and forward.

Professional correctness suffered at Michigan State college when an instructor defied convention and referred to so many feet (linear measurement) as so many "foots."

The University of Cincinnati museum has acquired the thigh-bone of an ice-age elephant.

Case School of Applied Science has a new 160,000-volt radiographic machine for the detection of flaws in metals.

Personality led all other qualities in the listing of male assets by University of New Mexico co-eds.

First U. S. college course in quality statistics has been instituted by Massachusetts Institute of Technology. It will give special attention to quality control of industrial products.

Yale university's "community chest" has raised more than \$350,000 in 16 years.

New York university has a total enrollment of 48,000 students.

Iowa State college scientists have devised a new method of making roquefort cheese, said to be the first commercial process devised for pro-

ducing the product in the U. S.

The Public Works Administration has constructed 500 new buildings on campuses of U. S. colleges and universities.

Colby college is constructing the first functionally-planned college campus in this country.

Third largest library in the U. S., Harvard college's Widener library, contains 1,750,000 volumes.

Michigan was the first state university to recognize the need of a museum building to centralize the research and educational functions of organized scientific collections.

Hunter College in New York City is the largest women's college in the world.

The University of Iowa has one professor who has a good understanding of the undergraduate classroom mannerisms. Occasionally he tells his students, "I think I'll sleep through class time." And he does!

Fifteen Louisiana State University students are now attending universities in France, Germany, and Italy under a new exchange system sponsored by the University.

Swing dancing in all of its delirious forms has been banned at Union activities at the University of Oklahoma by Miss Margaret Gassner, the Union director.

Siskraft Is Subject of Friday Lecture to Civils

Siskraft, an unusual building paper, was discussed by two of the company's representatives — Mr. White and Mr. Austin—at a meeting last Friday of the W.S.E. Siskraft is a building paper that has long life. It is waterproof, windproof, and tough and strong enough to go into place without tearing, ripping, or puncturing.

Asphalt is applied uniformly to two cover sheets, made out of northern kraft paper, and is reinforced both lengthwise and crosswise with strong sisal fibres which strengthen it. All of the above items are combined under heat and pressure, and together form an absolutely moisture-proof and airproof sheet, the price is only about one cent per square foot.

A great many uses have been found for this product, such as lining temporary silos built of slat fencing, curing of concrete, dampproofing of walls, etc., covering equipment in storage, under flooring, protecting plants from frosts, and lining coal bins. It was pointed out that these were only a few of the many uses.

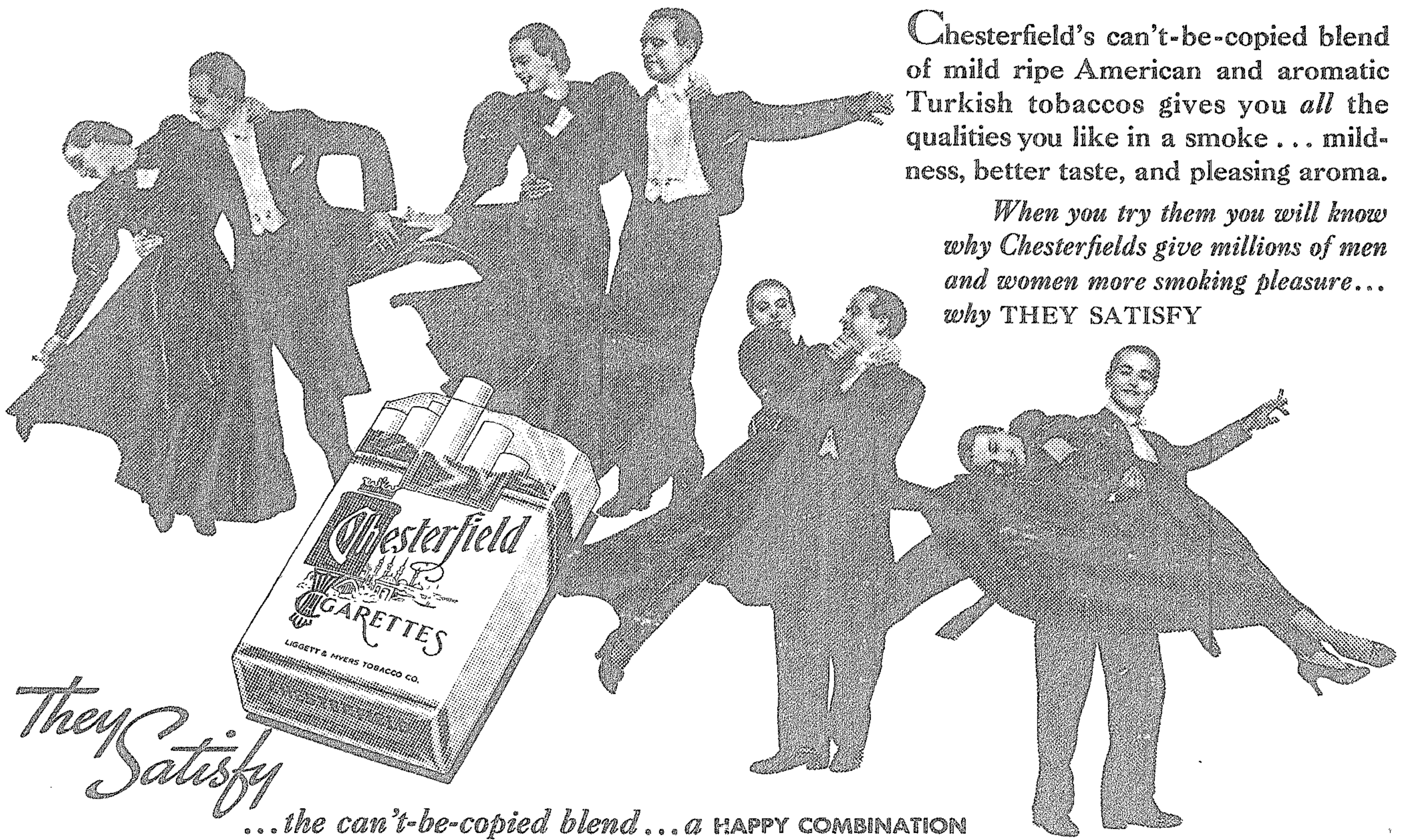
VELOZ and YOLANDA
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Chesterfield's can't-be-copied blend of mild ripe American and aromatic Turkish tobaccos gives you all the qualities you like in a smoke . . . mildness, better taste, and pleasing aroma.

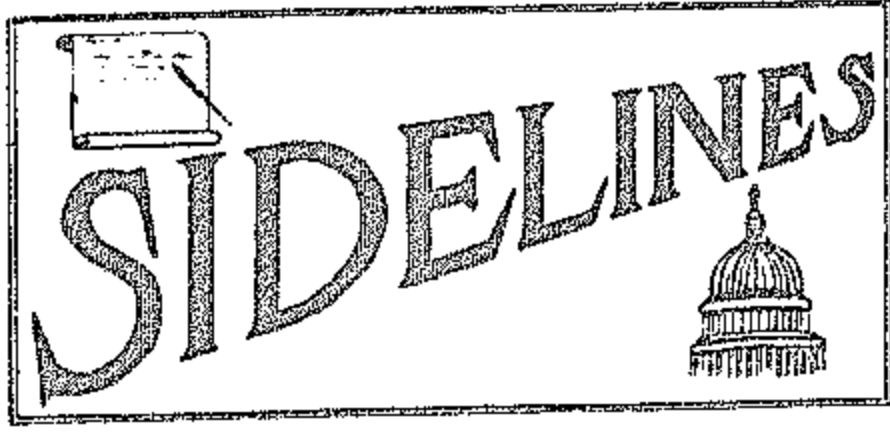
When you try them you will know why Chesterfields give millions of men and women more smoking pleasure... why THEY SATISFY



They Satisfy

...the can't-be-copied blend... a HAPPY COMBINATION

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BY EUGENE WORCESTER

Los Angeles, Cal. (Special) Feb. 28—A China Clipper en route to Hawaii reported at 11:00 a. m. Pacific time, that for an area of at least ten square miles, and about 500 miles east of Honolulu, the sea was experiencing an unusually vigorous agitation, although no wind was blowing. Evidently some influence of a subterranean nature was effecting it. Shoals and reefs were in evidence in the sector which is charted as 2000 leagues deep.

Seattle, Wash. (A.T.N.S.) Feb. 29—The tanker "Ramona" sailing for Burma was grounded early this morning on reefs reported at 500 miles due east of Hawaii. The reefs were rapidly rising, and the ships hull was already high and dry. Sounded in 1921, this area of the ocean is recorded as 11,800 feet deep, so that evidently some new land is rising due to a volcanic movement. The seismograph here recorded a violent east Pacific shock two days ago, this probably being indicative of the unusual occurrence.

Washington, D. C. (P. A.) Feb. 29—The U. S. government dispatched two destroyers to the area of eruption to investigate and if possible substantiate the reports of a newly rising island.

Toyko (P. U.) Mar. 1—The Japanese imperial navy withdrew five cruisers from Hong Kong area last evening, and under full steam they sailed east. It is rumored they are heading for the new island, named Falkland, after Capt. Falk of the Clipper ship who first saw the land.

The ships flying between Hawaii and mainland report that a full island, muddy, but firm is now fully risen from the ocean.

Berlin (Special) Mar. 1—The German government sent a fleet of ten warships to the Pacific ocean to complete a study of Pacific marine life, it was reported from the foreign office this evening.

Rome (Special) Mar. 2—Mussolini announced tonight in a speech to his cabinet that Italy would assume ownership of the newly created Falkland, in as much as Italy was not represented in the Pacific. Mussolini renamed the island "Benito" after himself.

London (P. N. S.) Mar. 2—Mr. Chamberlain, convinced that there is an island in the Pacific, has announced that Britain will take over its ownership for the present until it is necessary to give it away.

Wash, D. C. (P. A.) Mar. 3—Pres. Roosevelt predicted a crisis in the Pacific unless a conference might be called to settle the question of the ownership of Falkland. Belonging to the United States, as it was discovered by an American, Roosevelt suggested an immediate withdrawal of all other powers. Secretary Hull stated that Falkland falls within the jurisdiction of the Monroe doctrine, and would make a forty ninth state.

Falkland, Pacific Ocean, Mar. 4—H. M. S. Chester reported that a Japanese cruiser fired on it tonight as it passed it on the port bow. The Japanese captain explained it was a pure accident, as his gunners were shooting whales and had mistaken the British man o' war for a sperm whale. No further explanation has been made.

Washington, D. C., Mar. 5—Pres. Roosevelt succeeded in calling a meeting of the powers at the White House

Washington, D. C. (Very Special) Mar. 12—The Washington conference came to a dramatic close today when it was unanimously decided to destroy Falkland, as no agreement to its ownership could be reached. Britain proposed giving it to Hitler, and the Philippines to Italy, to maintain a balance of power. U. S. objected, and by some very astute manipulation, Hull succeeded in passing the Destruction Treaty whereby the island will be dug up and dumped back into the sea. The cost of destroying it will be borne by each government.

The conference was considered highly successful in that it procrastinated the crisis schedule in Europe, the next one now not due until May, due to the extensive dredging operations necessary.

Tibbals Attends Aurora Banquet

Sponsoring the first banquet of its kind in this area, the Aurora-Armour Co-op club held a dinner on Monday, Feb. 21, at the Silver Tea Pot in Aurora. The purpose of the banquet was to bring industrial executives, educators, and co-op students together and present to these men a complete picture of the operation of the co-op course at Armour Institute.

Bob Schmidt, co-op student and co-president of the club, acted as chairman and introduced the toastmaster, Ben Kallevik, another student. The toastmaster then introduced the first speaker, Mr. L. J. Lease, co-ordinator of the co-op course at Armour. Mr. Lease began his speech by presenting the history of the co-op movement and its introduction at Armour. He then explained how students are chosen and enrolled in the course, how the students compare with the regular day-school students in grades, and the general attitude of the co-op students in regard to this type of instruction.

Prof. P. C. Huntly, head of the Mechanical Engineering department, explained the purpose of each group of subjects given in the co-op course and also the similarity of this course and the four-year mechanical engineering course. Following this, Dean C. A. Tibbals elaborated on the school in general, comparing various departments of the institution in size, grade average, etc. He pointed out that the co-ops are somewhat isolated from the regular students because of the change in work and school schedule, but he also urged these students to participate in extracurricular activities during their school periods.

Presenting the industrial view, General Thomas Hammond, president of The Whiting Corporation, related some of the difficulties encountered in placing co-op students. The poor conditions in industry in the past few years, he said, made it extremely difficult to find jobs for prospective students, but in spite of these unfavorable conditions, the co-op course has grown steadily since its inauguration at Armour.

Following his address, a general discussion was led by Mr. C. I. Carlson, head of the Industrial Arts department at East Aurora High School. The executives were requested to ask the speakers any questions they wished regarding the course, and responded with many questions.

ENGINEER—

(Continued from page one)

photos are taken of every page of the material to be filed. A projection machine is used to focus pictures on a screen when they are to be read. The chief advantages are the tremendous number of publications which may be stored in relatively small space and their long life. This system, however, is quite expensive. Store-rooms must be made of completely fireproof material as required by law because of the highly inflammable nature of the film. Efficient projection machines are an additional, and not inconsiderable expense. For these reasons, the use of "Photo-records", has been largely confined to the larger and more richly endowed libraries.

Explain Cheese Pasteurization

James Lewis Kraft of the Kraft Phenix Corporation will present an educational study of the manufacture of cheese. Special emphasis will be placed on the bacteriology and engineering of cheese making. Mr. Kraft is the inventor of a pasteurizing process as applied to the cheese industry. Bacteria play an indispensable part in the making of cheeses. Their secretion of enzymes serves to change the chemical structure of the cheese and give it its characteristic flavor. The bacteria are cultivated very carefully, different bacteria being used to instill the various flavors. Bacterial cultures are carefully protected by the manufacturers as they are extremely valuable. Engineering plays an important part in the design and construction of vats, machines, instruments to regulate temperature of cheeses, and methods of acidifying to aid curdling. Mr. Kraft will describe all this in detail.

Armour Alumnus a Contributor

Of interest to architects will be an article by David Baker entitled "New Architecture of Palestine." David Baker is an Armour grad, Arch '38, and the distinguished possessor of two coveted Beaux Arts prizes. Because of the greatly increased emigration of Jews to Palestine, a great deal

Harrington Speaks to Members of Theta Xi

Philip Harrington, E.E.-'07, now city commissioner of subways, was the guest speaker at the dinner and smoker held by Theta Xi in the Student Union, Wednesday, February 22. The subject of the talk was the new State Street subway. Mr. Harrington in his talk discussed the cost involved and the problems to be solved in the construction of 6.4 miles of tunnel through the blue Chicago clay. The contracts for the construction of one section of the tube at a time.

The Alpha Gamma chapter of Theta Xi was the host for the evening. Theta Xi was the only social fraternity organized during the Civil War. The fraternity originally limited its membership to those majoring in the sciences. This restriction was made because the early chapters were started in technical schools. A vote taken in 1932 caused the limitation to be removed. The Armour chapter was started in 1932.

Other guests included President Henry Townley Heald, Col. Henry Waite, and Henry Brinkerhoff of the P.W.A. subway commission.

Battalion Chief Addresses FPES

Battalion Chief John Redmond of the Chicago Fire Department presented a stimulating talk on the "Functions of a Fire Department," to the F.P.E.S. last Friday.

A fire department's activity is not at all confined to fighting fires. Much of the time spent at the fire house is taken up by drills and cleaning of equipment. The routine of the week usually runs as follows: Wednesdays are brass days, that is, the metal-ware in the firehouse and trucks is polished; Saturday, scrub day; and every other day except Sunday and holidays is drill day. The drill days are taken up in practice in the use of the pieces of apparatus of the department. Speed is the main factor in these drills.

Chicago has the reputation of possessing the fastest fire alarm system in the world. The principal reason for this is the highly perfected telephone and telegraph system that is installed in the stations.

Each station has 16 wires leading to it, the network connecting the entire city and the fireboxes in each district into one unit. A two-way radio system is now being installed.

Before entering the service a man must go through a training period of one month. During this time the essentials of the telegraph and the workings of the various pieces of apparatus are explained.

It was pointed out by Chief Redmond that ventilation is a necessity for the successful fighting of a fire. This ventilation is accomplished by "back drafting" or opening holes into the building to force out the heated air and provide working conditions for the firemen in the building.

In reply to a question by Professor Joseph B. Finnegan, Chief Redmond gave a vivid description of the Stock Yards fire of May 19, 1934. At the climax of the fire, 120 engines and 2,700 men were in action. At one time the engines were pumping a total of 100,000 gallons of water per minute on the fire.

The land forces are now augmented by the modern fire boat, Fred Busse. This boat, replacing the steam powered Grahme-Stewart, is diesel powered and has a pumping capacity of 12,000 gallons per minute. Equipment includes sleeping quarters for an emergency crew, which is on board at all times.

of building construction has been required. Most of the buildings are of entirely new and modern design. This article will deal with the architecture and construction of these new projects.

Last but not least will be "The Story of Maple Sugar" by E. M. Root, a lecturer at the State University of Vermont and county agent of the farm bureau. The complete process, from tapping of the trees and boiling of the sap to the completion of the finished project, will be described.

Professor Walter Hendricks has been assisted on this issue by several new staff members. They are Stephen P. Finnegan and John J. Ratto, class of 1939; Sidney A. Heenan and Eugene J. Kalnin, class of 1940; Edwin L. Hass, Lionel Naum, and Henry E. Wessel, class of 1941.

Student Speaker Series Begun by Bernard Oswald

"Modern Boilers" was the subject of Bernard F. Oswald, the student speaker, who appeared before the A.S.M.E. meeting last Friday morning in Science Hall.

The rapid strides that have been made in boiler construction, manufacture, and performance during the period between 1880 and 1930 were taken into account. Because of the decline in industrial expansion, no major developments were made from 1930 to this date. Slides were shown that pictorially and graphically illustrated the details of each boiler model produced by the Combustion Engineering Company.

Particular attention was directed to the engineering features incorporated into a large unit manufactured for the Consolidated Edison Company of New York, this unit being capable of producing 1,270,000 lbs of steam per hour. Two machines, a giant forming mill, capable of rolling three inch steel plate into cylindrical form without any difficulty, and an X-ray machine revealing the condition of the grain structure of the metal about welded seams, were shown in pictures and discussed by the speaker.

At the conclusion of Oswald's address Harry Soukop, vice president, announced that five members had expressed a desire to speak before the society at some future date on subjects of interest to the entire group. Student speakers are introduced instead of having eminent engineers address the society in order to aid in developing student public speaking ability. This is in anticipation of the forth-coming convention of student branches to be held in Chicago at Lewis Institute on April 17th and 18th, where prizes are awarded for the best paper presented.

"During the past two years, Armour has won second place each time," said Prof. Nachman, "and adequate preparation is necessary to acquaint students with the difficulties encountered when speaking before a large group."

The symposium on "Steam Power" proposed by Prof. Nachman will be postponed until April, in order that upper classmen may devote their time to preparation for the convention.

Max Ephraim suggested that the graduating members of the society use the facilities of the Chicago section of the A.S.M.E. employment service, through which many desirable positions are available.

A. I. Ch. E. To Hold Smoker In Union on March 15th

March 15th has been set as the date for the annual smoker of the A. I. Ch. E. This year the genial event will be held in the pleasing atmosphere of the Student Union, with the all popular Bernard "Sonny" Weissman as the guest speaker.

The United States Government, in the furtherance of the "See America First" campaign, will provide a travelogue movie which vividly portrays the natural beauty of American National Parks and Monuments. Other highlights of the program planned by a competent committee in charge of arrangements include amusements that are capable of wringing chuckles from even the most hardened bunch of "Chemicals"; and last, but not least, Mrs. Thompson has promised the most delicious of refreshments.

The price of admission has not been decided, but officers are confident that it will not exceed forty cents.

CONCERT—

(Continued from page one) bert Hansen who dued in several Russian selections on a banjo and an accordion. A double octette composed of members of the glee club sang *Sweet and Low* and it was both sweet, and low.

The program was brought to a close with the orchestra's presentation of *Spanish Serenade* by Herbert, and the glee club and orchestra singing and playing *The Ranger's Song* from *Rio Rita*.

As in the past pictures of the musical clubs were taken at the close of the program and while waiting for the photographers to get set up, both glee club and orchestra swung into an impromptu jam session, thereby giving those members of the audience who remained two concerts for the price of one.

Registrar Asks To See Seniors

Armour Institute's scholastic wave advances. Statistics just released from the registrar's office show that at present there are 1065 students registered in the various departments. Mechanical engineers lead with a total of 351. Of these 150 are freshmen and four are graduate students. The Chemical engineering department is next with a total of 291 students. This department leads in graduate students, having a total of sixteen. Electrical, Civil, Architectural and Fire Protection engineers follow in the above order. There are 25 sophomores in the Civil department and only 24 freshmen. This is the only department in which there are more sophomores than freshmen.

Next June, according to statistics, 143 students will graduate. Forty two graduate students will also be awarded degrees.

Many seniors have not as yet checked their records. To avoid confusion at a later date, Mr. Kelly suggests that they see him immediately and check their credits.

S.A.M. Committees Selected; Meet in Science Hall Friday

Footlik and Bill Mackey Are Appointed

Armour's newly formed chapter of the Society for the Advancement of Management will hold its next meeting on Friday, March 3, at 10:30 a. m. in Science Hall. Members and prospective members alike are cordially invited to attend.

At the society's meeting last Wednesday the program and inspection-trip committees were elected. The program committee consists of Irving Footlik, chairman; Norman Rice, Joseph Aberer, and Delano Wessels. Members of the inspection-trip committee are William Mackey, chairman; Warren Groundwater, William Dres, Geo. Bauman, and Harry Dryer.

The steering committee reported its decision to make the vice-president the chairman of the program committee. The chairmanship of the other committees is to be limited to juniors and seniors, although committee membership is not to be otherwise restricted. A request was given for additional volunteers for committee members.

The Armour branch of the Society for Advancement of Management consists of student members of the parent organization which was formed under the direction of Mr. H. P. Dutton in 1936. Members of the society are entitled to its services, which include the Society Journal and all other publications, admission to the technical library, the employment service, admission to all meetings and conferences which are held at frequent intervals, and inspection trips. On these trips the student not only views the plant operations, but is also given a discussion of the management problems with which the plant has been confronted. Several of these

A.S.C.E. To Be Formally Adopted by Tech Civils

According to present plans, the Armour student branch of the American Institute of Civil Engineers will be formally instituted some time in March. This will make possible the reorganization of the W.S.E. into a general engineering society.

At the present time opinion is divided on the exact form which the future W.S.E. should have. Almost all those interested agree that it should furnish a parent society which could coordinate the activities of the individual groups. On the question of having freshmen and sophomores as members of the society, opinion is divided. In an effort to iron out these difficulties a committee of one junior and one senior from each departmental society has been appointed. These men will meet soon and consider arrangements for the future W.S.E. at Armour.

A. I. Ch. E.—

(Continued from page one)

In regard to training of engineers, Fried submitted the following data: Of 5,000 practicing engineers, 14 per cent have taken graduate work, 75 per cent have their bachelor's degrees, 6 per cent have not completed their college training, 4.3 per cent have incomplete college work, 0.6 per cent have no college technical work, and 0.1 per cent have no technical training.

Of the graduating engineers, 47.5 per cent go into operational works, 35.4 per cent become connected with designing and research problems, 5.8 per cent enter the teaching profession, 4.1 per cent receive general administrative or personnel management positions, 3.1 per cent become employed by the sales department, and 3.1 per cent are engaged in construction work.

The upper 10 per cent of the wage groups showed compensation above 8,000 dollars per year for chemical and ceramic engineers, these remunerations ranging down to the civils, whose upper 10 per cent received a wage in excess of 6,100 dollars. The average engineer begins at 1,500 dollars a year, at an age of 22. Ten years later his industrial training has been completed and he is earning about 2,400 dollars a year. From then on his rise is very rapid until he hits his peak at 60 years of age.

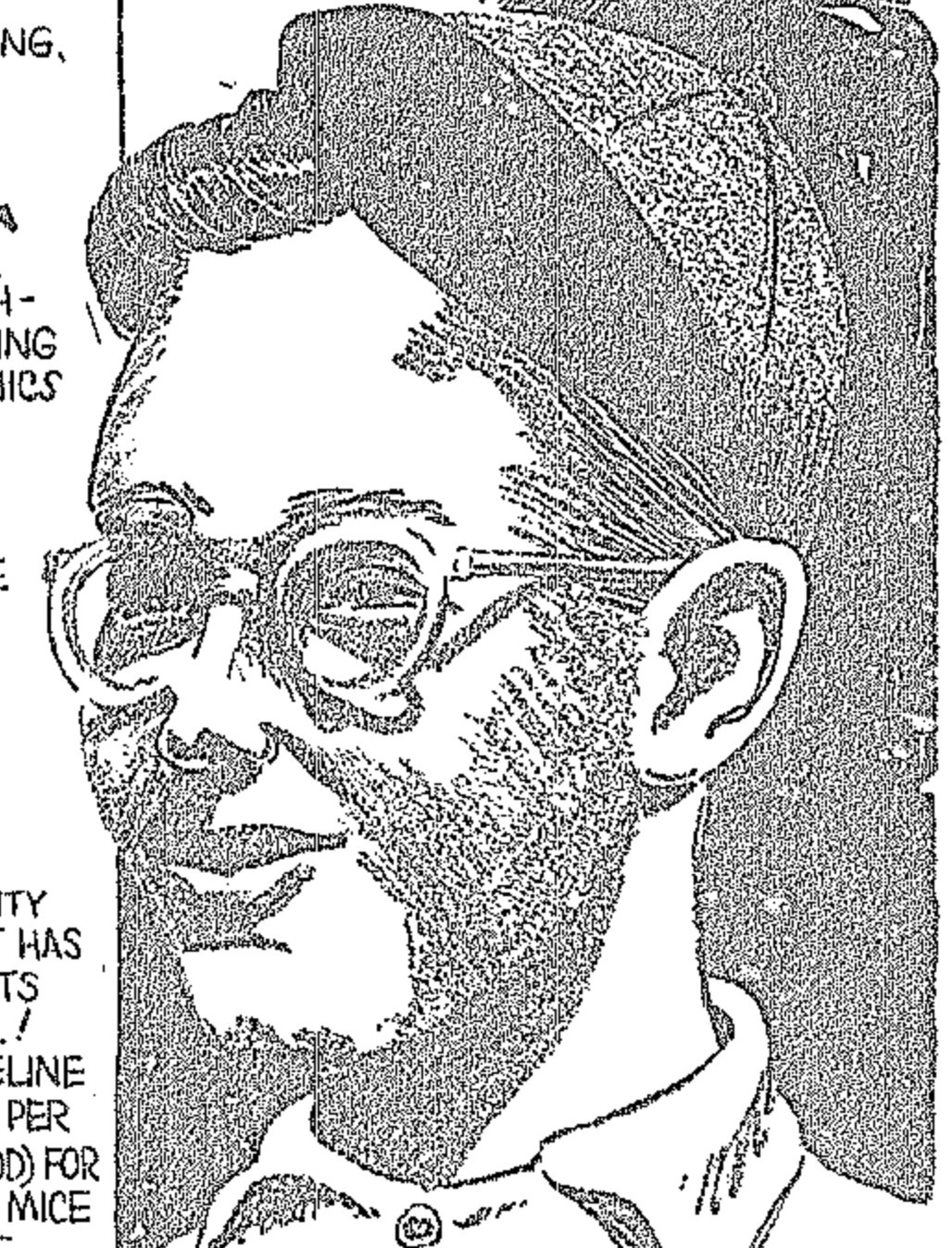
During the period of 1929 to 1934, only 33 per cent of the engineers were not continuously employed. About 16 per cent were unemployed for the period of one year. However, the wage cuts ranged from 28 to 64 per cent. These cuts were for the most part restored in 1934.

trips will be planned by the student chapter, and the first of these will soon be announced.

All members of the society are invited to the meetings of the Chicago chapter which occur on the third Tuesday of each month. This summer the Chicago group is sponsoring a national conference on personnel management problems.

Included as national members of the society are manufacturing and merchandising executives, industrial engineers, investigators, and teachers of management.

WITHOUT ANY PREVIOUS SCHOOLING,
HERBERT SULLIVAN,
14-YEAR OLD CHILD GENIUS,
IS PREPARING TO BE A MATHEMATICAL PHYSICIST BY TAKING PHYSICS, CHEMISTRY, MECHANICS AND TRIGONOMETRY AT SANTA ANA JR. COLLEGE!
ALTHOUGH HE ALREADY HAS PASSED THE ENTRANCE EXAM TO THE CALIF INSTITUTE OF TECHNOLOGY, SULLIVAN PLANS TO ENTER OXFORD UNIVERSITY IN ENGLAND.



THE UNIVERSITY OF VERMONT HAS A CAT ON ITS PAYROLL!
THE BLACK FELINE RECEIVES \$16 PER YEAR (FOR FOOD) FOR CATCHING MICE IN THE GREENHOUSE

NEW ACCORDS TO EINSTEIN...

ARMOUR INSTITUTE IS STILL USING SEVERAL OF THE LIGHT BULBS THAT WERE PLACED IN SERVICE WHEN THE COLLEGE WAS OPENED IN 1912!

YOUNG SULLIVAN NUMBERS AMONG HIS FRIENDS, EIGHT OF THE WORLD'S OUTSTANDING MATHEMATICIANS!