



Griff Williams to Supply the Music For Junior Formal

Congress Casino Is Site Of Mar. 10 Formal

Climaxing his drive to make the Junior Formal the social function of the year, Don Charlton, junior social chairman, announced last Friday that he had succeeded in obtaining the services of Griff Williams and orchestra for the function. This excellent choice along with the added attraction of the Congress Casino, shows all evidence of making this year's formal one of the best that has ever been offered since this particular affair became a part of the social program.

Almost concurrent with this announcement came that about the details of the bids. They may be purchased at \$5.50 apiece from members of the junior social committee and the chairmen of the committees of other classes.

Features Popular Singers
The series of events that culminated in the obtaining of Griff Williams' orchestra was fortunate indeed.

Featured in his orchestra, along with his own piano playing, is "Buddy" Moreno, a popular ballad singer, and Monty Kelly, the featured singer.

Dancing shall extend from 9:30 to 1:30, and in the course of the evening those present will be served an eight course dinner, the selection of which has been made to include an alternate menu for those who may prefer it. The tables shall contain accommodations for an average sized party, and it is best to obtain reservations early so that each group will have its own table.

Formal Dress Service Available
Available to those who do not possess formal attire are dinner clothes at a moderate cost. The outfitting contains all incidentals along with a personal fitting, and information concerning these arrangements can be obtained from Don Charlton.

For a time, Dick Barrie was the tentative selection, but the sequence of events, coupled with the popular demand for his orchestra, resulted in the employment of the melodious Williams for the evening. Because of an idle Friday night, Griff Williams' orchestra was obtained at a price within the reach of the junior committee. Williams' is one of the top ranking orchestras of this country. He enjoys tremendous popularity on the Pacific coast, where he has had several engagements at the fashionable Peacock Court and in the Hotel Mark Hopkins in San Francisco.

His popularity in Chicago has been developed mainly by his appearances at the Aragon and Trianon ballrooms, where he has played repeatedly.

A.I.E.E. Begins Plans For Open House Night

Plans of the A.I.E.E. for a proposed trip through the eastern industrial plants and schools are bringing interesting information. The cost of the proposed trip is higher than was anticipated, but not high enough to be prohibited. Furthermore, plans are rapidly going forward so that an accurate estimate of costs can be determined.

The students expect to adopt the plan if it meets with the approval of the administration.

The Western Society of Engineers has been incorporated within the Armour branch of the A.I.E.E. by a vote of 30-3. Discussion of the adoption was of a nature that indicated the merits of the organization, but included understanding of the true value of the organization to the electrical group.

Open House preparations are beginning, as they should for the best operation of exhibits, and the following men head the organization of activities of the electrical department: Gerald Anderson, F. C. Brewster, J. I. Cohen, Louis Maze, Edw. Marik, T. F. Quarntrom, R. L. Ramp, E. M. Rosenthal, J. D. Shaver and L. C. Strocchia. Chairman of the committee will be William Kurtz.

There will be a meeting of the entire TECH NEWS staff Tuesday noon at 12:30 p. m. It is imperative that all members of the editorial, sports, and business departments be present.

Any student, whether freshman or not, interested in working on the TECH NEWS staff is urged to be present. Experience in news writing is not necessary.

Rho Epsilon's Station to Enter Intercollegiate Amateur News Network

Rho Epsilon has been the scene of considerable activity during the past several weeks. The two-band transmitter which was built during the Christmas holidays has had a few finishing touches added to it and is now in operation.

The frequencies to be used are those selected for the net between amateur radio stations that are members of the National Intercollegiate Press Association, an organization which exchanges college campus news between member stations. Operating schedules have just been completed.

Pledging period for the sixteen pledges is over, and the formal initiation will take place as soon as membership keys have arrived from the national secretary at Washington State University.

A chapter reference library is being formed and already several radio parts manufacturers have contributed valuable manuals, pamphlets, etc.

Plans are being laid for construction of a work shop in one of the rear rooms where some electrical rewiring as well as some carpentry will be necessary.

New Members Added to Civil Faculty Roll

In accordance with the school's program for greater achievements at Armour, new members have been added to the faculty and new equipment purchased.

Dr. R. B. Peck, first assistant to Dr. Terzaghi and in charge of soil tests for the city of Chicago's subway, has been appointed to the soil mechanics laboratory where all of the tests will be made. He graduated from Rensselaer Polytechnic Institute, receiving his master's and doctor's degrees there. At Harvard he studied Soil Mechanics under Professor Arthur Cassagrande.

Dr. Peck is also to teach a graduate course in Soil Mechanics in the evening school to twenty men, all members of the civil engineering department.

Mr. Spears, a graduate student, will act as Dr. Peck's assistant in the laboratory.

Mr. C. O. Dohrenwend, who first came to Armour in September of 1937, has returned after nine month leave of absence during which he attended the University of Michigan and obtained his doctor's degree. The subject of his thesis was "Stresses Produced By Impact In Materials."

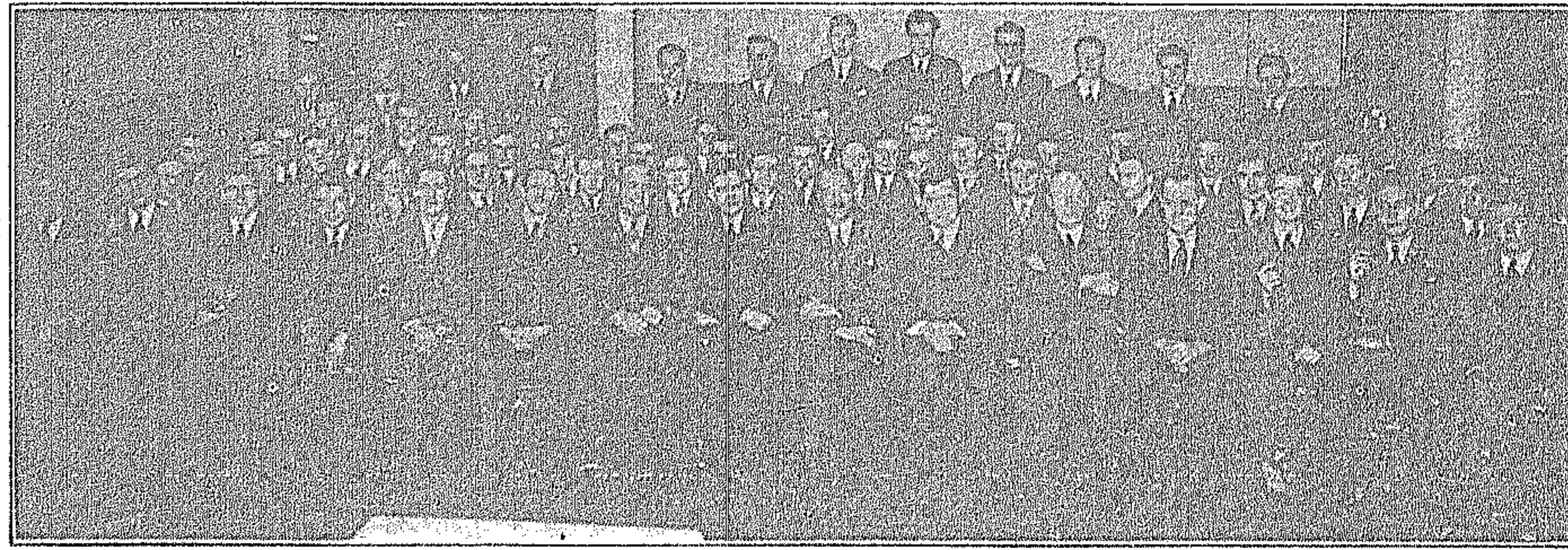
At Armour three master's theses are being prepared under his direction, two in civil engineering and one in mechanical engineering.

Another new member of the Faculty is Dr. Reissner, who graduated from Technische Hochschule in Berlin.

While there he worked problems in the mechanical structure of airplane design. As a member of the National Aeronautical Advisory Commission, he worked on two problems of airplane design. One was propeller efficiency, which was worked out theoretically; the other was torsional buckling, which was analyzed theoretically and confirmed by laboratory tests.

One of the new pieces of apparatus is a tri-axial compression machine, which is to replace shear testing equipment that was originally designed for tests on the sliding resistance of soils but was found to be inaccurate.

Retiring Staff Nominates Thomas Hunter as Editor-in-Chief of Armour Tech News at Banquet in Student Union Last Thursday



Faculty members and retiring editorial board present at the Tech News banquet last Thursday are, seated in the first row, left to right: C. W. Reh, desk editor; M. Ephraim, news editor; R. A. Windblad, business manager; R. L. Jaffee, managing editor; Russ Kotal, editor-in-chief; Prof. Hendricks; Dr. Poulter; President Heald; Dean Tibbals; Mr. Goetz; Prof. Finnegan; Prof. Colvert; T. W. Yeakle, copy editor; H. R. Coyle, sports editor; and J. D. Keane, rewrite editor.

'Highway Planning' Is Subject of Talk Given Before W.S.E.

For their first meeting of the west semester, the members of the Western Society of Engineers were fortunate in having Herman M. Ross to give a talk on "Highway Planning." The meeting was held in the east room of the Student Union last Friday at 10:30.

Mr. Ross is an alumnus of Armour. He graduated in 1937 as a member of the Civil Engineering class and was an active member in both Chi Epsilon and Tau Beta Pi honorary fraternities.

The topic was introduced by a short talk on the historical background of roads and highways and of their formation. He then explained the problems that civilization is faced with today, outlining past methods, present tendencies, researches, and estimates of future needs.

At present Mr. Ross is working for the State Highway Planning Department of Illinois. He recently presented a formal paper to the members of the Junior Western Society of Engineers, of which he is a member, and urged all students to take advantage of the opportunity to become active members of the parent organization.

Members of Dance Club to Hold Social On Friday, Feb. 29

During the meeting held this past Wednesday in the west room of the Student Union, the dance club completed its installation of officers. Albert Kunickis, who acted as secretary protempore during the period when the club was forming, was elected to fill the positions of secretary and treasurer. Robert Ramp and Robert DeHart were chosen sergeants at arms.

Since most of the club's time is spent in acquiring the technique of ballroom dancing, the time of the meeting is limited. Therefore, at the meeting which was held three weeks ago, only the presidency position was filled. James Duncan was elected president and Charles McAleer was elected vice-president.

The president appointed Charles McAleer chairman of the committee on cards. These are cards which will be furnished to every member of the dance club. The purpose of these cards is to identify members of the dance class and to record attendance at meetings on it. In order to be eligible to attend the dances sponsored by the club, the members must produce evidence of attendance at least two thirds of the club meetings.

Members of the dance club will dance to the music of Don Charlton's orchestra on Friday evening, Feb. 24. The Student Union and its facilities will be placed at the disposal of the members for this dance. Old and new members are urged to attend the meeting this Wednesday when membership cards will be distributed.

A.S.M.E. Votes Against W.S.E. at Last Meeting

Last Friday at 10:30, in Science Hall, the A.S.M.E. decided against joining the W.S.E. The meeting began with reports from the committee for the investigation of the possibilities of the W.S.E. This committee, which consisted of Max Ephraim, Stephen Kroll, Alvin Winkler, and Frank Reh, looked into the constitution, by-laws, and student attitude.

After thirty minutes of heated argument, a call for the question was raised. The matter was put to a vote and the W.S.E. was voted down by a small majority.

Following the vote vice president Harry Soukop made an announcement calling for student speakers for several meetings in the future. He requested that anyone who wished to give a talk see him early this week.

Aurora Co-ops' Banquet To Be Given Monday

Monday, February 20, is the date set for the Aurora-Armour Co-op Club banquet, to be held at the Silver Tea Pot in Aurora.

Invitations have been sent to executives of firms employing Aurora Co-op students and to a number of persons from various organizations interested in the co-op course. Speakers from industry and Armour Institute have been selected to give those present a complete picture of the operation of the co-op course.

Speakers from Armour Institute will be: Mr. L. J. Lease, Coordinator of the co-op course; Professor P. C. Huntly, head of the department of mechanical engineering, and Dean C. A. Tibbals. General Thomas Hammond, president of the Whiting Corporation, Chicago, has also been invited to speak.

Also present at the banquet will be: Mr. K. D. Waldo, superintendent of East side schools; Mr. O. V. Walters, principal of East High School; and Mr. R. W. Meade, principal of West High School. All are from Aurora.

The Aurora-Armour Co-op Club is composed of eleven Aurora Co-op students and is under the direction of Mr. C. I. Carlson, instructor in mechanical drawing at East Aurora High School. The executive duties of the club are performed by two elected officers, one from the A group and one from the B group. The present officers are: Ben Kallevik, 4A, and Robert Schmidt, 4B.

Co-op members of the club and the firms employing them are: John Elwood and William Green, employed by Barber-Greene Co.; Clarence Streit and Joe Westphall, employed by Stevens-Adamson Mfg. Co.; Ben E. Kellevik and Vern Parker, employed by All-Steel Equipment Co.; Fred Sternberg and Hilmar Carlson, employed by Western United Gas & Electric Co.; Bob Schmidt and Herman Krantz, employed by Lyon Metal Products, Inc.; and John Nieman, em-

Poulter Gives Scientific Talk For Journalists

Holding his audience in close attention, Dr. Thomas C. Poulter told one interesting experience after another at the Tech News banquet last Thursday night. Although his chosen subject was "Seismic Research in the Antarctic," Dr. Poulter brought forth a seemingly endless array of unusual things which occur in the extreme south. He also showed a reel of films, showing just how the seismic researches were carried out.

The members of the Tech News were greatly pleased by the presence of President Heald, Dean Tibbals, Professors Hendricks, Colvert, Finnegan, and Mr. Goetz at the banquet. This was the first time in many years that school officials and the entire student Publication's Advisory Board were represented. Each of these guests favored the newsmen with a short address.

Unusual Atmospheric Phenomena

Peculiar atmospheric conditions account for some of the amazing phenomena. Visibility far exceeds anything to which we are accustomed; a candle flame can be seen for a distance of more than nine miles. One of the reasons for this is that the amount of moisture in the air is very small. This, of course, is in accordance with the laws governing vapor pressures. The absence of dirt, smoke, and other foreign matter in the air also increases the visible range.

One of the most unexpected facts that the speaker brought out was that there is not much actual snow fall in the antarctic. Commander Byrd, during his stay in the interior, reported that the heaviest fall he saw was only one inch. In this respect, the climate in this section of the country has the far south pretty well beaten. Dr. Poulter accounted for

(Continued on page four)

A.I.Ch.E. Arranges Joint Meeting with Downtown Section and Annual Smoker

The program of the Armour Chapter of the American Institute of Chemical Engineers for the present semester will feature two major events besides the regular meetings at which guest speakers are usually presented.

The first event will be the smoker to take place in the middle of March. Former smokers sponsored by the chapter have always been successful, but the coming one, because of the facilities of the Student Union, promises to be the best yet.

Following the smoker, and more important in its nature, will be the joint meeting of the professional and collegiate chapters of the society. This will include a program held at night in which the chemical engineering laboratories are opened and the course of experiments offered by the Institute is demonstrated by undergraduates. A banquet in the cafeteria, with a number of professional and student speakers will top the program.

Opila, Bartusek, Fahey, Slavin, Kalnin and Kohn Are Members of Board

Thomas Hunter, junior fire protect, was chosen as editor-in-chief of the Armour Tech News for the following year. Hunter, who has been active on the paper for over two years, succeeds Russell Kotal to the office of editor. Introduction of the new members of the editorial board was made in a more formal manner than in previous years. After calling the group before the speakers' table, each new member of the board was introduced and his duties outlined. A letter of credentials was then given to each member.

New Editors Take Positions

Robert Jaffee, managing editor, was succeeded by Francis Opila. Robert Bartusek followed Max Ephraim into the position of news editor. The position of sports editor was taken by James Fahey, following Howard Coyle. Eugene Kalnin is the copy editor, succeeding Thomas Yeakle.

A new position, that of records editor, was inaugurated in order to secure a file for the use of members of the staff. The object of this position is to create a "morgue" similar to that of daily newspapers. This position has been taken by Robert Kohn.

Board Adopts New Policy

Other positions assumed by the new staff members were also announced at this time. Irvin Dzikowski is the new desk editor, following Carl Reh. The position of rewrite editor is taken by Peter Woods, a co-op, succeeding John Keane. Robert Bartusek and Francis Opila, former assignment editors, were replaced by Robert Mead and Frank Reh. Art Hansen, new feature editor, follows R. Perry. The office of fraternity editor was taken by Bernard Sternfeld, succeeding Edward Chevalley, while the copy readers are Sidney Heenan and George Frost.

A new policy has been adopted by the retiring editorial board concerning members of the staff not fulfilling the requirements of their positions; all member not doing the work required of their positions will be asked for their resignation.

Many Soloists Scheduled for Annual Concert

Each year the musical clubs of Armour look forward to appearing at the Goodman Theatre as a fitting peak to their concert season. This year's concert, to be held on Thursday evening, February 23, 1939, starting at 8:30, will be the fourth of the annual affairs given at this location.

Founded in 1922 by Professor Charles W. Leigh, the clubs now comprise more than one eighth of the student body and occupy a prominent position in connection with student activities, clubs, and associations. During the past few years, the clubs have gained more than local recognition; the glee club has appeared frequently at the large Chicago broadcasting studios, and both the glee club and orchestra have given many fine concerts for the more exclusive city and suburban clubs.

For the past five years O. Gordon Erickson, conductor of the clubs, has been a member of the faculty as musical director of the Institute. Mr. Erickson's musical achievements are many.

At the age of sixteen he was director of his church choir and, as a freshman at the University of Chicago, wrote the famous "Wave the Flag for Old Chicago." In 1921 he became the director of the Sunday Evening Club Choir. His knowledge of the art of conducting was gained as a student of Dr. Frederick Stock, famous conductor of the Chicago Symphony Orchestra.

The clubs this year have the largest membership in their history. The or-

(Continued on page four)

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Our Policy

Each year at this time a new staff takes up the task of continuing the publication of the ARMOUR TECH NEWS. We, of the new board, have been fortunate in having the assistance of the members of the retiring board during this transition period. Keeping their example as a guide we will persistently try to make the TECH NEWS approach

our conception of what a college newspaper should be.

No radical changes are proposed in either the news or the editorial policy of this paper. We shall strive, as former boards have, to maintain our attitude of impartiality and fair play in all that we may publish. No matter what the issue we shall endeavor to keep the best interests of the student body and the school at heart.

It shall be our policy at all times to urge the faculty and student body to send in constructive criticism on any material that we have published or should have published. It is only through the help and constructive criticism of the readers of the ARMOUR TECH NEWS that we can hope to truly represent the activities and ideals at Armour.

Union Courtesies

A little over a month ago a set of rules were printed in the TECH NEWS pertaining to student conduct in the Student Union. The student body as a whole has responded whole heartedly to these rules, but a careless few, however, have violated them.

The school lunchroom handles over eight hundred persons with a seating capacity of about three hundred. The congestion between the hours of 11:30 a.m. and 1 p.m. has been getting steadily worse. The only sensible solution to this problem is to have everyone eat his lunch and leave the dining room when through. Rule 2 under the section "The Dining Hall" specifically states that "card playing or studying in the dining room is PROHIBITED from 11:20 a.m. to 1 p.m. daily." Some of the thoughtless few haven't conformed, with congestion being the result. By observing this rule the dining room can handle the student body without the unnecessary crowding prevalent at the present time.

In addition to the published rules several courtesies should be observed. It has been frequently noticed that a number of students have left their coats and wraps lying on the chairs. Every chair occupied by a wrap is a seat that could have been occupied by a student. Since the checkroom is situated in the same building there should be no reason why wraps must be carried about the Union.

The Slipstick

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

We take great pleasure in announcing a change of policy of this column. Gay rule has been lifted. Free speech has been restored. No more will this column be censored with blank spaces just because we mention the word h—.

Said the little calf to the silo, "Is my fodder in there?"

Hi: Your engine is coughing badly again.

Yo: Shouldn't wonder, I left the muffler off last night.

We wouldn't mention the name of the Freshman chemistry teacher who told this to his class. "A freshman in the lab wanted to know the formula of barely acid; all he knew about it was that it was made with HCl. The instruction sheet said: Make barely acid with HCl."

This week we celebrate the 100th anniversary of Professor Twoddle's A.M. (Absent Minded) discovery of the law of diminishing returns. He sent a tablecloth to the laundry, and got back a lady's handkerchief.

Girl shrieking at Armour wrestling match: Hold him, Tullgren; I know you can.

Judge: So you were formerly a college professor?

Suspect: Yes, but for the last five years I have been earning my living.

To flirt or dance is very wrong.

I don't.
Wild youths chase women, wine and song.

I don't.
I kiss no girls, not even one.
I do not know how it is done;
You wouldn't think I have much fun.
I don't.

A Frosh makes his dates for seven-fifteen so that he can reach the show in time.

A soph makes them at 6:30 so that he can ring in a free meal.

A junior makes them at 8:30 and comes late so there won't be any place to go to except the parlor.

A senior will go any time as long as the girl has got the tickets.

Well, I gotta go now, it's 8:30.

HI-YO SILVER.

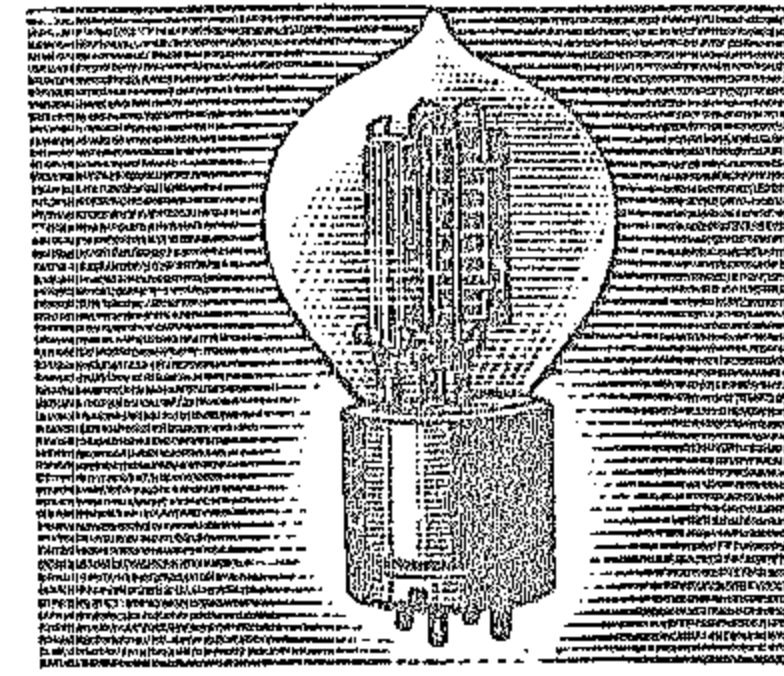
RIGHT OR WRONG?

A 2-minute test for telephone users



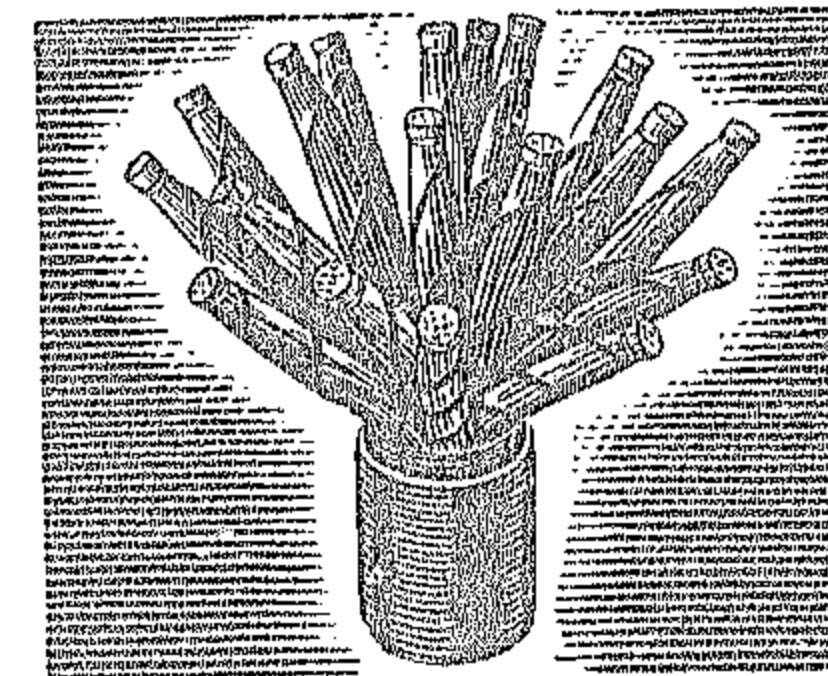
1. The Bell System handles about 48,000 telephone calls per minute, on the average.

RIGHT WRONG



2. One of the first uses of vacuum tubes was in telephony—years before commercial radio telephony.

RIGHT WRONG



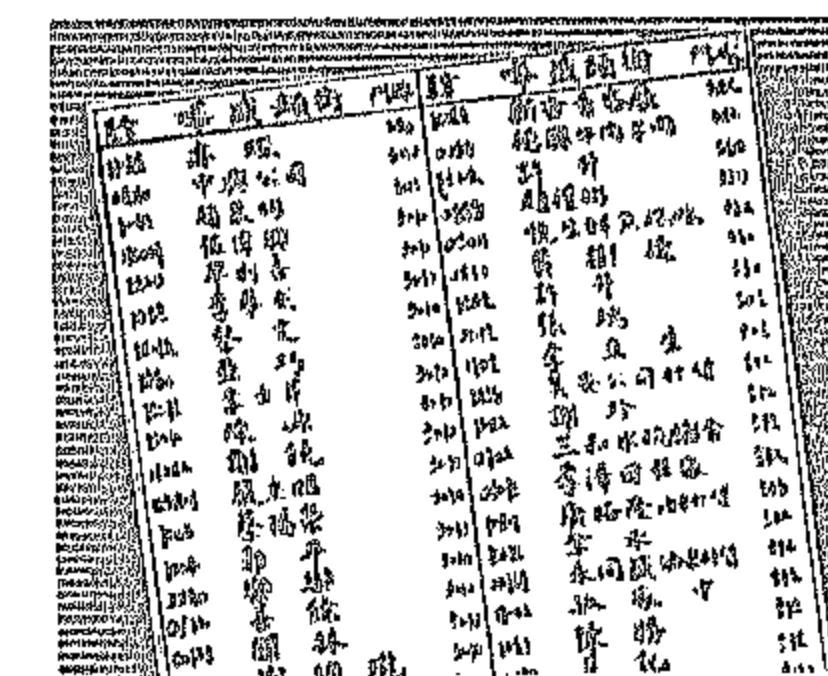
3. The largest telephone cable used by the Bell System contains 2424 wires.

RIGHT WRONG



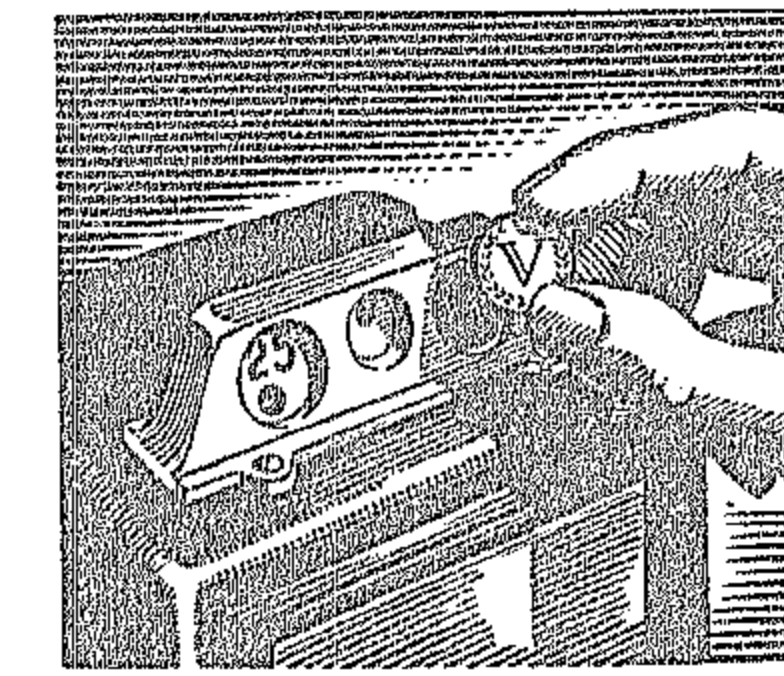
4. The Bell System employs about as many people as live in the city of Dayton, Ohio.

RIGHT WRONG



5. This is part of a page taken from a telephone directory published in the United States.

RIGHT WRONG



6. Lowest rates to most out-of-town points are available every night after 7 P.M. and all day Sunday.

RIGHT WRONG

ANSWERS

1. Right. In 1938 the average number of calls per day was about 70 million.
2. Right. The repeater tube, which makes possible long distance telephony, was first used in 1913.
3. Wrong. 3636 wires are packed into a cable about the size of a man's wrist.
4. Wrong. The population of Dayton is about 200,000—while there are nearly 300,000 telephone employees.
5. Right. It is from San Francisco's Chinatown telephone directory.
6. Right. Why not telephone family and distant friends oftener?



BELL TELEPHONE SYSTEM

Fraternity Notes

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

RHO DELTA RHO

With all due deference to the incoming Tech News staff, we think they'll really miss the services of Max Ephraim and Bob Jaffee. How they ever managed to do a good share of editorial board work, and still find time to make an extensive collection of honorary keys, is beyond us.

The house hasn't been quite the same this week because of the absence of Leon Epstein. Ep took sick, all 200 lbs. of him, and has been confined to his sick bed for the last six days. We hope, especially the juniors, that the mighty Ep will be back with us this week.

DELTA TAU DELTA

Aside from the difficulty of getting the proper parties together at the right time, a rip-snorting ping-pong tournament was run off at the Delta Shelter. When only one ball and half a paddle represented the entire ping-pong equipment, it was thought time to enlarge the inventory. The tournament solved the problem by providing the wherewithal to purchase beautiful new paddles and special reinforced balls. Warren Umbright and Dick Dunworth were the lucky winners.

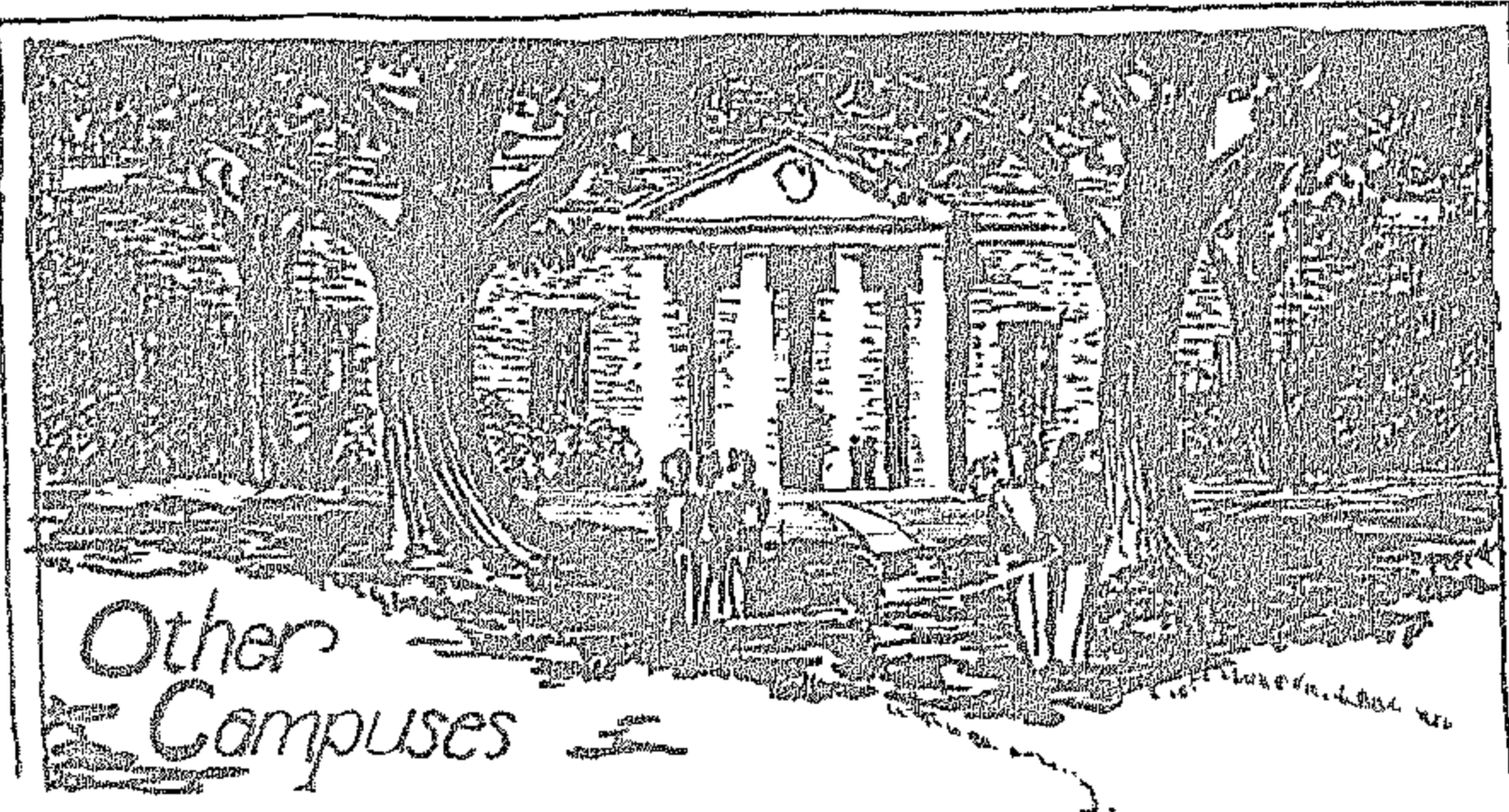
An unfortunate circumstance arose last meeting when the pledge class failed to produce paddles. The emergency, however, was handled in a most effective and efficient manner. Freshmen may be seen standing at their homework.

The Delt ex-prez, Bill Laise, is postponing wedlock because appendicitis stepped in. Bill is reported to be rapidly recovering.

THETA XI

The Alpha Gamma chapter announces with pride its officers for the present semester. They are: President—Edward Mock, vice-president—Richard Young, treasurer—William Wilson, house manager—Anthony Giovan, secretary—William Mansstrom.

With the selection of these men the



A referendum survey conducted in 31 colleges shows that 62.5 per cent of collegiate opinion approves of Roosevelt's measures, but only 28.2 per cent would like to see him in for four more years.

Dr. C. N. Smiley of Carleton claims that students of superior ability are trained more poorly in the United States than in any other country, and believes something should be done about it.

current term should be a success in all lines of fraternal work. Brothers we congratulate you!

The annual "end of semester party" gave the members a great opportunity to forget the woes and cares of the past term. The party held in the chapter room on February 4, 1939 was declared a complete success by all present.

The basketball team has found hope of winning the cup this year. Two of the pledges are really tall and with a well rounded team of fast tricky men, we should go places.

For the interfraternity swim, the tanksters have been getting their regular practice. So men watch our splash!

Theta Xi congratulates Sigma Alpha Mu upon its recent victory in the annual ping pong tournament.

PI KAPPA PHI

Alpha Phi chapter of Phi Kappa Phi proudly announces the election of the following officers: Paul Hoffman, archon; Frank Heidenreich, treasurer; Robert Maxwell, secretary; Fimer Matson, historian; John Sauge, chaplain; and Harry Heidenreich, warder.

The welcome mat is out for alumnus, Roy Wittekindt, who has returned

As a result of an investigation, an Indiana University man has found 33 devices for "cribbing" on exams, one of which is to write the information on spectacles with grapefruit juice, the writing appearing by breathing on the glasses.

Radeliffe College women have taken to pipe smoking during their examination week.

Princeton University has received a special grant to finance the study of the effects of the Orson Welles' broadcast of the occasion from Mars.

Ghost writing for students with little ability in English has been discovered at an American University. "I thought I could get more out of school that way," said one ghost, "but I see now where I'm wrong."

There are 155,000 students enrolled in the 536 junior colleges in the United States.

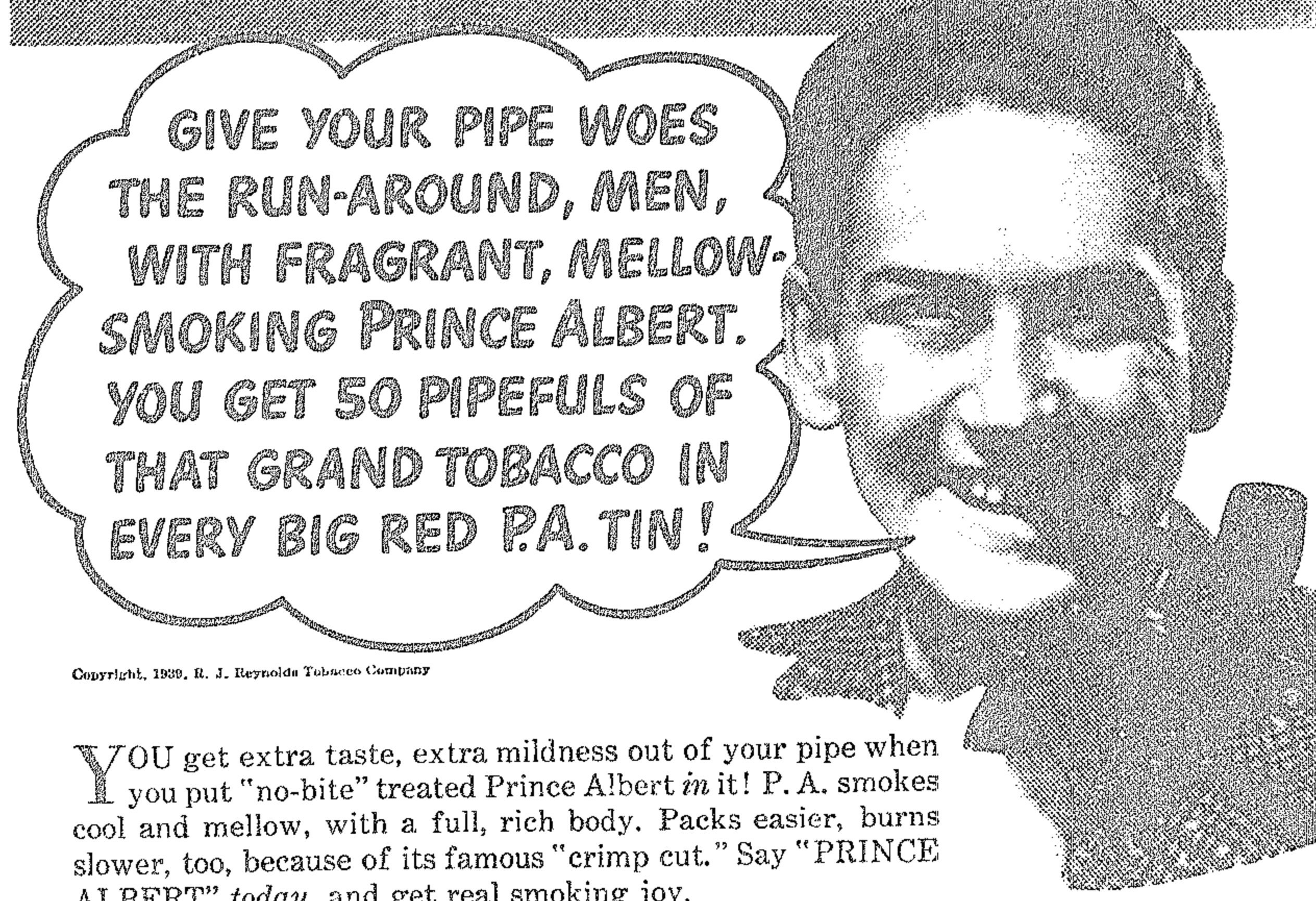
A petition circulated among the Indiana University students seeks to eliminate letter-grades, and substitute instead the words "pass," "fail," or "distinction."

ed to school to take a few special courses.

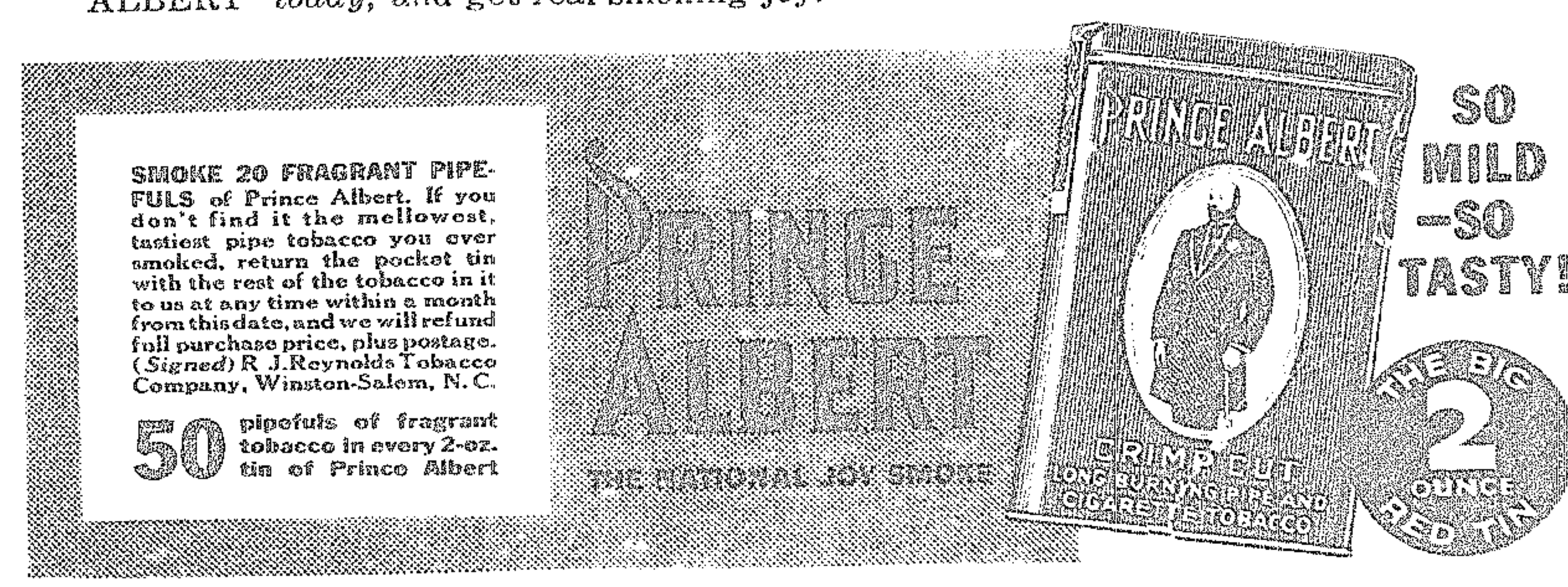
Next week is to be 'hell week' for the Pi Kap pledges. The boys are eagerly awaiting the joyous event.

We are actively preparing for the interfraternity competition. Brother Harry Heidenreich reports that the basketball and swimming team shape up very nicely. Our high power ping pong team awaits its next opponent. They report that their next opponent, Phi Kappa Sigma, displayed fine sportsmanship in defeat and gave more competition than the score indicates.

WHY WHO WANT REAL PIPE JOY?



GIVE YOUR PIPE WOES THE RUN-AROUND, MEN, WITH FRAGRANT, MELLOW-SMOKING PRINCE ALBERT. YOU GET 50 PIPEFULS OF THAT GRAND TOBACCO IN EVERY BIG RED P.A. TIN!



SMOKE 20 FRAGRANT PIPEFULS of Prince Albert. If you don't find it the mellowest, tastiest pipe tobacco you ever smoked, return the packet (in 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.

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

SO MILD—SO TASTY!
THE BIG 2 OUNCE RED TIN
CRIMP BUT LONG BURNING PIPE AND CIGARETTE TOBACCO
THE NATIONAL JOY STROKE

Techawks Battle Cardinals Quintet At North Central

Wrenched Knee Benches Janicek for Rest Of Season

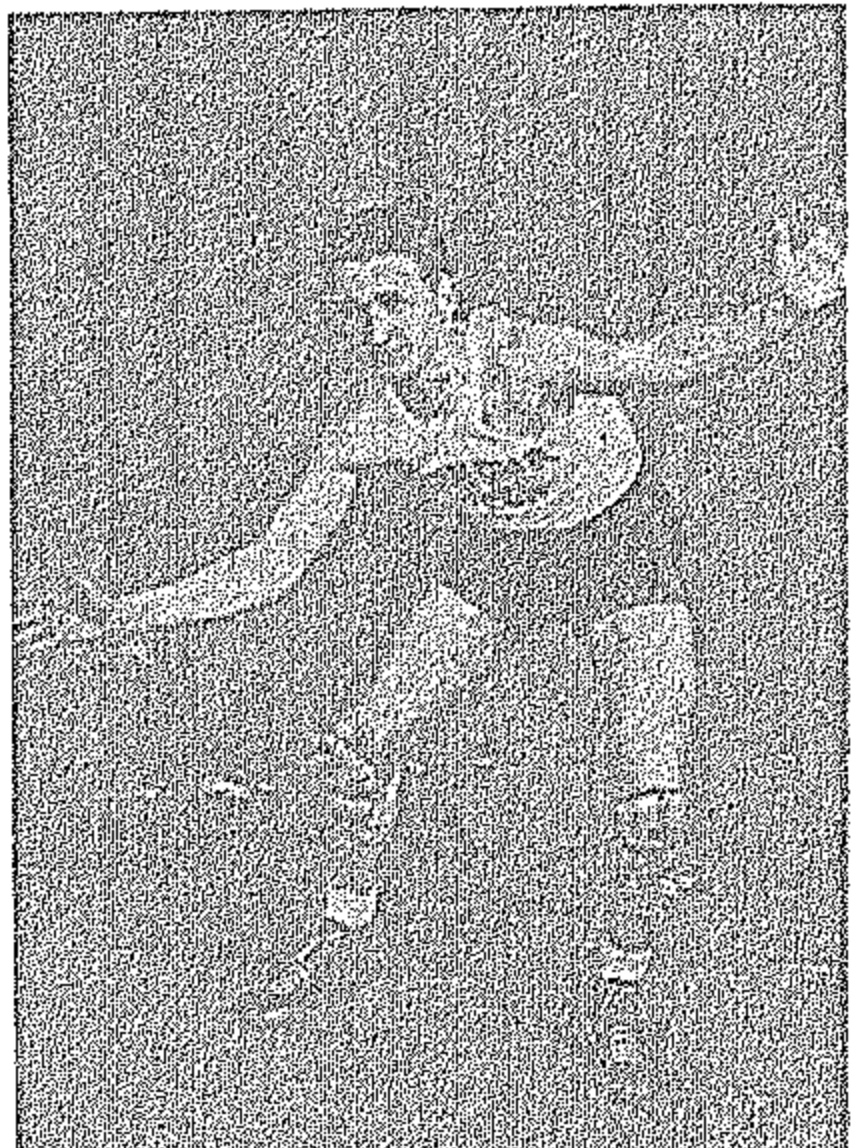
LEASURE INELIGIBLE

Having practiced a week in preparation for the North Central game at Naperville this evening, Armour Techawks were confronted with the knowledge that they weren't going to be given an opportunity to stop Leasure, the Cardinal star. Leasure, it seems, has been ruled ineligible by the North Central faculty and will not participate in the Armour fracas.

Also attached to this bit of bad news, for the Techawks were really prepared for "Slick," came the added information that Joe Janicek, Techhawk guard was through for the season. Joe collided with a teammate in a practice scrimmage and wrenched his knee. The injury was sufficient to cause the curly headed senior to call it quits for the year.

Seek .500 Record

Despite the injury to Janicek which occurred last Thursday, the cagers will go into the Naperville game in a better frame of mind than they have possessed at any other time this year. The team has pointed for this game and are confident that the Cardinals will help make the Armour record equal in the win and loss column.



Joe Janicek

With the ineligibility of Leasure a certainty, the Armour defense will focus its attention on Gordon Keith, captain and center, and Joe Morin, a 185 pound forward who was an all conference football player for the Naperville team in the Little Nineteen Conference. To combat the efficiency of this pair, Coach Stenger will pit Ed Swanson and Bill Scherer both of whom have had experience against the North Central style of play.

Detroit Tech Next

Following the Naperville battle, the Stengerites will return home for the final two games of the year. Friday they'll meet Detroit Tech, and the concluding game of the schedule will be against De Sales of Toledo.

Detroit Tech was met last year in Detroit and was defeated by the Techawks largely through the efforts of Bill O'Brien who tallied twenty-two points to insure the one point victory. This year the Engineers from the Motor City have enjoyed a good season, the highlight of which was a 44 to 42 victory over DeSales.

DeSales beat Armour in Toledo mainly through their up the floor defense and their frequent substitution of fresh men. Taken by surprise by the unusual defense, the Techawks fell after a hard fought first half which ended 21-20, DeSales. However, the team has practiced against the DeSales system and is prepared for the game which will be played at the armory.

Armour	North Central
Sliwa, f	Morin, f
O'Connor, f	Bettinger, f
Swanson, c	Keith, c
Scherer, g	Stuckey, g
Kubicka, g	Tiefenthal, g

SWIMMING SCHEDULE

Feb. 16—Bradley at Bartlett Pool
Feb. 17—Kalamazoo at Bartlett Pool
Feb. 28—George Williams at Bartlett Pool
March 4—Kalamazoo at Kalamazoo
March 10—De Pauw at Bartlett Pool
March 16—Herzl Jr. College at Bartlett Pool

Matmen Drop Meet To De Kalb; Face Herzl

Armour's wrestlers found themselves on the bottom too often in their meet with DeKalb last Wednesday night and came out on the bottom of a 19-9 score. The nine minute bouts were judged by a different system than Tech has been using. Instead of awarding the decisions on the time advantage, the bouts were awarded on the basis of the judge's opinion.

None of Armour's nine points were scored on pins while the home team came through two pins.

Till Wins Again

Till, at 121, continued to be the team's most consistent winner by starting the evening out right with a decision from the judge. Wagner, 125 lbs., met defeat, being pinned and giving DeKalb the edge to which they continued to add. McDaniel at 135 also encountered some difficulties and was also pinned. Manager Ropek wrestling over his weight at 145 lbs. was held to a draw in overtime and added 1½ points to Armour's total.

In 155 lbs. Nigrelli dropped his bout on a decision. Kazmierowicz got Armour back into the win column by grunting into an overtime draw at 165. Captain Tullgren, 175, dropped his bout on a decision. Due to the fact that the Techawks had no heavy-weight available, DeKalb put in a man at 145 to wrestle Hanna. Hanna gained a decision and Armour's final 3 points.

Purdue Here Saturday

Back on their own home lot Armour's mat specialists will be trying to even the series with Purdue by dropping their Indiana rivals when they meet next Saturday at Armour.

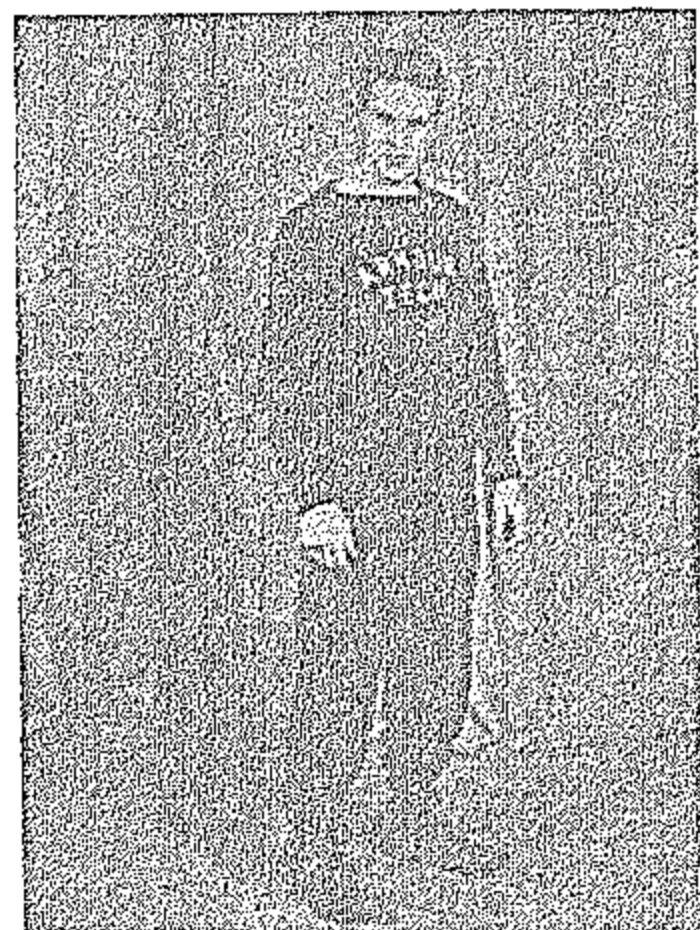
In the previous meeting between the two schools this year Purdue overcame the Tech lads, 27-5, although the bouts were closer than the score would indicate. Ropek got all of Tech's points, pinning his man at 135 lbs. The Techawks were at a disadvantage at Purdue since the scoring was done according to the Big Ten point system. The meet here next Saturday will be scored on the time advantage basis.

This afternoon the matchers will get a workout in their preparation for the Purdue meet by clashing with Herzl Junior College at Herzl. Hanna has been under the weather for a few days, but will be in shape again for the two meets of the week. The squad will be attempting to find a heavyweight to fill in the berth left by Balsewick.

Finnegan Sidelined by Appendicitis for Year

Two weeks ago the curse of appendicitis descended on Co-captain Steve Finnegan in the North Central meet and eliminated him for the remainder of the season as far as track activities are concerned. Steve's loss was officially announced by Manager Ratto and Steve last week, following the intramural meet.

Finnegan's chief ability was the two mile run in which he held the school record, and the mile, in which he was one of the few Armour men able to better five minutes. Late last year he had to withdraw from several races due to pains in his sides, and this condition persisted until now the Techawk's star distance man has to retire.



Steve Finnegan

Meanwhile, although depressed by the loss of Finnegan, the track team is proceeding with preparations for the Illinois Relays which will be held this Saturday at Urbana. Although Armour has a team entered, the trip might possibly be called off unless the boys show more ability than has been displayed in the past. Following the scheduled Illinois meet will be the Loyola meet which this year should be closer than those of the past. The Loyola meet will be held on February 24.

Last year Armour romped thru the Rambler; 64 to 31, led by Birmingham and Rothenberg. This year,

Tech Mermen Send Cardinals To Watery Grave; Win 48-27

Headed by Ray Dodge, Armour star middle distance swimmer, the Techawk tankers swam to an easy victory over the North Central Redbirds at Bartlett Pool last Saturday. The final tabulation of the score gave the Institute 48 points and the Naperville crew 27.

In taking the Cardinals, the protégés of McGillivray scored firsts in all events with the sole exception of the diving affair which was won by White of North Central.

Rademacher started Armour off on



By Jim Fahey

It seems we were a little premature in this column last week when we discussed the possibility of **Joe Pacocha** playing for Armour this spring. Our latest information bears out the fact that Joe has decided not to return to school, at least not this semester.

See where the basketball team is still suffering from the fickle finger of Fate. Last week saw **Kubicka, Janicek and Lurz** either getting hurt or missing practice due to previous ailments. Joe's case was decidedly the most unfortunate since it robbed the team of his services for the remainder of the season.

In addition to the above, **Eddie O'Connor** is still suffering from a cold he contracted before the trip and which has slowed up the fighting Irishman considerably.

Meanwhile the wrestling team also felt the plague of injuries as **Balsewick** was ruled out by the doc with a case of water on the knee. Due to his withdrawal, the grapplers have been, more or less, without an experienced heavyweight. The vacated spot will be filled by **Pocius**, who has shown considerable improvement under the guidance of **Coach Weissman**.

Incidentally, if you're wondering where Sonny was last week, you might learn by reading the accounts of the Springfield and Davenport Golden Gloves which were held last week. Sonny refereed most of the bouts along with "**Jabber**" Young, local C.Y.O. director.

In Sonny's absence, Captain **Tullgren** directed the activities when the Techawks met De Kalb and although the results didn't show a win, they didn't detract any from **Tullgren's** ability as a temporary coach. Two bouts went overtime and were called draws while several other battles were close decisions.

Too bad, Co-Captain **Finnegan** has been forced off the track team. Steve holds the school two-mile record and had been coming along nicely before being sidelined. This loss will cost Armour points in the distances in all their future meets and also take a real leader off the squad.

This case of **Finnegan** is another in the surprising jinx that follows Armour co-captains. Last year in basketball Co-Captain **Jack O'Connell** was lost for several weeks through scholastic difficulties, then in baseball Co-Captain **Seidenberg** wrenched his knee and was out half the season. This year Co-Captain **Paul Henriksen** was afflicted with ligament trouble, and now **Finnegan** is out. It seems it doesn't pay to be a co-captain if you want to participate in the activity.

Trackmen to Run In Illinois Relays

Armour Tech's trackmen will have available only two of its last year's five medal winners in the Illinois Relays when the track squad enters the meet for the second consecutive year next Saturday. Last year saw Tech winning eight individual medals when Tech's two mile relay came in third, and the college medley team finished fourth.

Carl Deuter, Jerome Platz and Steve Finnegan each won two of the medals, while Bill Ryan and Claire Dunbar were the other men in the respective events. Ryan, Platz, and Finnegan are still in college, but co-captain Steve Finnegan has been lost to the squad because of appendicitis. Steve is the fastest two-miler the Techawks have ever possessed, and his loss will be felt not only here but on the relay teams as well.

Time trials were to have been held yesterday afternoon at the fieldhouse to determine who would make the trip to the University of Illinois this Saturday.

The track squad had one of its best years in history last season, and since it still has a good portion of its crack men with promising undergraduates turning out, expects to better its records in the "Tech Relays" and against its toughest competition.



Ray Dodge, Armour swimmer who splashed to two victories in the North Central meet last Saturday.

the winning lane when he covered the 40 yards free style race in 21 seconds. This bettered the time of Olsen who took secondary honors by .8 seconds. Huxhold of Armour gained a third.

In the 100 yd. breast stroke, Hutchins and Stowell finished in that order to give the thirty-third streeters another eight points. Hutchins' margin of victory was several strokes and he bettered the time of Stowell by 3.4 seconds. Martin of the visitors finished third.

Dodge then took over and added five more Armour points when he came home first in the 100 yd. free style by a comfortable margin over Yoder of the Naperville group. Dodge again added five points when he won the 200 yd. free style by 6.2 seconds.

In the diving event, White of North Central counted the first and last win for the Cardinals. His total of 74.1 points was 3.8 better than that of Bleunberg of the Techawks. Armour furthered its score in the 100 yd. back stroke when Tolcott hit the finish line three seconds before White of North Central.

In the 160 yd. relay, an Armour quartet composed of Huxhold, Rein, Mankus, and Dodge whipped the

Bradley meet later this week.

SUMMARY

40 YD. FREE STYLE Rademacher (A); Olsen (N.C.); Huxhold (A.). Time—21.
100 YD. BREAST Hutchins (A); Stowell (A); Martin (N.C.). Time—1:20.4.
200 YD. FREE STYLE Dodge (A); Antrim (N.C.); Mankus (A.). Time—2:33.
100 YD. FREE STYLE Dodge (A); Yoder (N.C.); Olsen (N.C.). Time—1:04.
160 YD. BACKSTROKE Tolcott (A); White (N.C.); Bleunberg (A.). Time—1:15.
100 YD. RELAY Armour. Time—1:30.2.
120 MEDLEY RELAY Armour. Time—1:16.
DIVING White (N.C.); Bleunberg (A); Oliver (N.C.). Points—74.1.

Challenges have been sent to Polytechnic Institute of Brooklyn, Drexel Institute of Technology, Pratt Institute, Northwestern Military and Naval Academy, and Yale and Harvard universities.

Armour Tech's Rifle Club is aiming its guns for a successful season of postal matches with various colleges in the East and in the Chicago area. Havng won its first two matches against Wheaton College and Stevens Institute, it is expecting to duplicate these wins in return matches scheduled shortly.

Rifle Club Gunning For Eastern Meet

Oji Fields Rifle Club of Kevin, Montana is the first postal match scheduled for this semester. During the next four weeks the Tech riflemen will fire against Wheaton, Stevens Institute of Technology, University of Indiana, and Northwestern University.

Coach Alex Wilson will depend on his track events to tighten the score, since he has little to offer in the way of field stars. However he has had to seek new material in the meet since his stalwart runner, Max Lenover, fractured his left leg while bettering the Loyola mile record. In his place, Wilson will use Dan Howe, national interscholastic mile record holder from Loyola Academy.

In the hurdles, Loyola is expected to be strong, due to the presence of Captain George Clark but he'll meet strong competition from Harvey Rothenberg, who despite losses to No. Central has shown exceptional form in the hurdles for Coach Root so far this year.

In the field events, Vandekieft, Elwood and Burman should have little trouble, as Loyola expects to depend mainly on their runners for victory.

Schommer Starts Plans Rolling for 11th Tech Relays

Invitations to Teams Mailed During Past Week

RECORD ENTRY SEEN

With the starting time but a month hence, preparations for the eleventh running of the now famous Armour Tech Relays are being propagated by Athletic Director John Schommer, who is in charge of the meet. As previously announced, the Relays will be held in the gigantic field house at the University of Chicago on Saturday, March 10.

At the present time most of the invitations are in the mail and replies are expected to start pouring into the athletic director's office the latter part of this week. Practically all the schools invited last year will be recipients of requests, while several newcomers are to be asked. Notable among the latter is the University of Toledo which, thru Athletic Director Spears, formerly of Wisconsin, has already consented to send a team.

Many Champs Returning

The tenth running of the Relays last year will be long remembered by the participants and spectators as the outstanding indoor track meet of the 1938 season. Twenty-seven colleges and seven universities competed for the coveted Armour trophies and medals. This year a larger entry list is expected and it is indeed fortunate that a large number of the champions and record breakers will be able to return.

Last year five records hit the dust, the outstanding item being the special mile run by "Chuck" Fenske, Wisconsin's crack miler. Paced by a teammate, Walter Mehl, Fenske clipped 5.2 seconds off the record of Brock-mith of Indiana and placed in the books the fastest mile ever run on a clay track in the country as well as the swiftest indoor mile ever traversed by foot in the Middle West. The time was 4:08.9. This was a second faster than Cunningham traveled in a specially built track in the Chicago Relays one week later when he beat Fenske, as well as San Romani, and Venske.

Fenske May Run In Mile

Efforts are being made to feature Fenske again, but due to the nature of his work, it is as yet undetermined as to whether he will be allowed to appear on the date set aside for the relays. However every means possible is being used in an effort to obtain the Wisconsin miler again for the feature mile.

Last year North Central walked away in the college division largely because of the work of Lindstrom and Rikli, while despite three record breaking performances by the Badgers, Illinois took the trophy in the university division. Both champion squads will probably be back this year and eager to defend their titles. North Central to date has shown that it is pretty confident of maintaining its cup, since they still have a well-balanced squad, including their star sprinter and relay anchor man, Rikli.

In the University division, Illinois will receive considerable argument before they retain their trophy, if they do. Their two point victory over Wisconsin last year doesn't hint a victory this year, since Illinois lost several men while Wisconsin has Capt. Mehl, Big Ten champion two miler and Milt Padway, holder of the pole vault record set last year at 13 feet 9¾ inches, and unless Mehl is again called upon to pace Fenske, this insures Wisconsin two firsts.

THE WEEK IN SPORTS

Tuesday

Basketball—North Central . . . There
Wrestling—Herzl Jr. College . . .

Thursday

Swimming—Bradley at Bartlett Pool . . . There

Friday

Basketball—Detroit Tech . . . Here

Saturday

Wrestling—Purdue . . . Here
U. of Illinois Relays . . . There
Swimming—Kalamazoo . . . Here

POULTER'S TALK—

(Continued from page one) the large amounts of snow by bringing in the frost. It seems that the frost will often accumulate to the extent of over two inches in a comparatively short time. This is especially true near the ocean, the warm breeze carrying a large amount of moisture over the cold land, where the water condenses as frost.

Snow Absorbs Sound Several interesting acoustical effects are also apparent because of the porous nature of the snow. It acts like some of the sound absorbing materials that have been put on the market in recent years, but is very much more effective. Standing only ten feet apart in a trench in the snow it was impossible to hear another person talking in normal tones. Still it is possible to hear a disturbance in the snow which takes place a considerable distance away. The snow transmits sound well, but absorbs sounds that are incident upon it.

Seismic Equipment Exhibited In setting off the charges of explosive in taking his seismological data Dr. Poulter found that the blast did not disturb the snow as much as would ordinarily be expected. In setting off one of the small charges, about one pound, the only effect was to compress the snow for about ten inches around the charge. The porous snow and the great cold served to absorb all of the shock and to condense the gasses that were generated. This absorption was one of the problems which had to be overcome. It was rather difficult to get a wave front into the snow which was of sufficient intensity to give good results.

Dr. Poulter did the journalists a great favor by exhibiting a duplicate of the equipment which he used at the south pole. It consisted of the recording apparatus and a set of three of the geophones. He also displayed a set of wave tracks, taken of various subjects, such as street cars and steam hammers. The pictures which he showed were of the seismic party, showing the arrangement of the sleds and equipment. Several views were shown of the explosion of some of the larger charges, and of the trip which was made by air.

In closing his address the speaker invited the audience to ask questions and permitted them to examine the seismograph at first hand.

Chincholl Talks About Fire Hazard

At the regular meeting of the Fire Protection Engineering Society president Paul Hoffman announced the date of the smoker and urged all members to attend. The date has been set as Wednesday, Feb. 15; the place, the main lounge of the union, and the time, 7:30 to 10:00 p.m.

Moving pictures and Monte Carlo games have been promised with a prize for the champion gambler among the firemen. The movie "The Treasures of Wood" will show the manufacturing and finishing of rare woods; it will take 45 minutes to show and is one of the most interesting technical movies that could be obtained. Refreshments will be served, and cigarettes and cigars distributed.

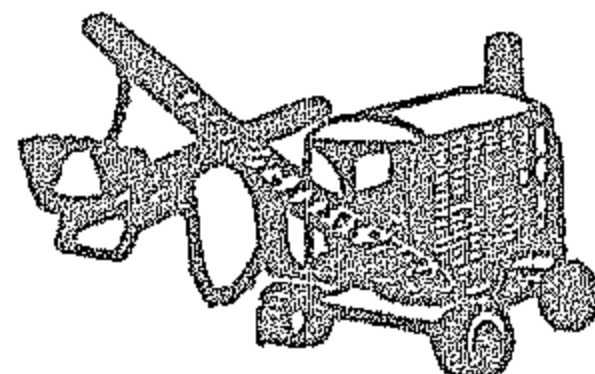
After the smoker announcement the members were addressed by E. R. Chincholl of Marsh and McLennan, insurance brokers. Mr. Chincholl spoke on the fire hazards of power plants. He gave a short history of electric power generation, stating that the first real utility for electricity was lighting by means of Edison's bamboo filament lamp. The first power plant was installed in Chicago in 1880 and was known as the Adams street station. Most of the development of power plants has taken place during the last sixty years. Mr. Chincholl cited many inherent hazards such as arcing, overheating, oil leakage, and explosions.

Oil leakage has proved to be the most costly of these hazards. The oil, very hot from continuous use, is readily ignited when it contacts hot steam pipes. Leakage has been lessened by welding all joints in the oil line by using flanged connections.

To prevent the spread of fire in outside stations, crushed stone floors are used, while within the power house each piece of costly equipment is separated by fireproof rooms.

For an extinguishing agent Mr. Chincholl recommended a spray of water for fires occurring in electrical equipment and also for small oil fires which may start in power plants. He also mentioned other effective agents—such as carbon dioxide, carbon tetrachloride and Dugas powder

Steam Shovel



Congratulations to the new staff of the Armour Tech News which takes office with this issue. We wish them all the success in the world. For the outgoing staff, we have this to say. Never have a group of fellows worked harder to make a college paper a success. However, we are going to let all our subscribers in on a little secret . . .

... We were censored bodily whenever we wished to mention their names in this column. However, beginning now and henceforth, their lives shall be an open book. (Psst—Kotal, Jaffee, Yeakle).

Rugged individualist or just hard hearted? While warning his new welding class last week of the danger of explosions, Prof. Pearl remarked that if there is an explosion "the diaphragms will save the equipment."

English in the fourth dimension . . . Steve Kroll, flustered a bit while addressing the A.S.M.E. meeting last Friday, led off one thought with: "Sometime ago in the future . . ." that just goes to show what our modern age is like—"Here it comes No, here it is. No, by gosh, there it goes!" Speed!

Prof. Goetz put over a good thought after hearing both the new and then the old editorial boards sing songs at the News banquet by remarking: "In the future, I believe that in selecting the new men (editorial staff) we should look into their musical abilities FIRST."

Catlin again. When interviewed as to what he owed his success for his straight "A" average last semester, he remarked, "Wimmen."

Form chart of the week: Gaebler

CO-OP NEWS

H. Krantz

Officers of the Co-op Club would like to call a meeting of Co-ops in school, but can't find a single hour between 8:30 and 5 p.m. when they're all free.

The trip through the Bell Telephone Co., arranged by the B group, is closed to A group Co-ops. Only a limited number of students will be taken and this quota has been filled from the B group.

E. C. Mock, 3A, has a hair cut that will dazzle the eye of any female (or male). Ed had his hair cut but now has only the cut.

Great consternation has resulted from the antics of K. J. Kleinwachter's seagoing fountain pen, which at present is hibernating in the mech lab sump.

John Elwood, 2A, is almost a Phi Pi Phi . . . John Ahlstromer, 4A, is studying art as a pastime and making rapid progress . . . Carl Overton, originator of the "Ice Pick" (to date very few people understand this caricature) attended the last Co-op dance. He was, until a year ago, with the 4A's . . . Ed Schmidt, 4A, has a mania for reserving seats in the cafeteria. He very often holds as many as six places for the "Frat boys."

was down with the flu, and reports state that Anthony had an appendectomy.

When C (Bram) Laskowski entered Carpenter's geology class last week, roll was taken. "Glassowsky" called the teacher. "Make it a short beer," muttered Frank (censored) Opila.

A new Caruso has arisen in the glee club. Long after the rest of the club had clamped down on the last bar of a song, Hal Johnson's golden (gosh I'm color blind) voice wafted over the entire assemblage. He must have been dreaming of Shirley again.

Why does Ephriam ride the Clark street car all the time? Can it be the card ads? (We think not.)

Sophomores Elect New Men to Fill Vacancies

Due to two officers' of the sophomore class, president and secretary, leaving school, the sophomore class met last Thursday at 12:20 in Science Hall and decide what to do. At the start of the meeting, which was conducted by vice-president Frank Reh, a motion that the vice-president succeed the president, was made and passed unanimously.

To fill the remaining vacancies, the class decided that a standing vote be taken after the nominees left the room. Frank Pfeffer was elected to the office of vice-president and Roy Jacobsen was elected secretary.

Mathematics Profs Gain Public Notice

Professor Watson Davis of Armour was revealed as an authority on gambling probabilities last week in Otis Chatfield-Taylor's column, 1,001 Nights in Chicago. It was calculated that in the long run a player would average a twenty cent return on the dollar in the game "26". As the saying goes, "A word to the wise is sufficient."

Professor Lesterford was recently appointed chairman of the mathematics section for the meeting of the Society for the Promotion of Engineering Education which is to be held on April 8 at Lewis Institute.

Professor Samuel Bibb will attend a meeting of the National Council of Teachers of Mathematics on February 24 and 25 as a delegate from the Men's Mathematics Club of Chicago, of which he is an official.

AURORA CO-OPS—

(Continued from page one) ployed by the Caterpillar Tractor Co., Peoria.

In addition to firms employing these students, the following organizations will be represented: Foote Bros. Gear Works, Chicago; McGraw Electric Co., Elgin; Elgin Watch Co., Elgin; Austin Western Road Machinery Co., Aurora; Richards-Wilcox Mfg. Co., Aurora; and the Chicago, Burlington and Quincy Railroad, Chicago.

379 Co-operatives Give Mechanicals The Largest Unit

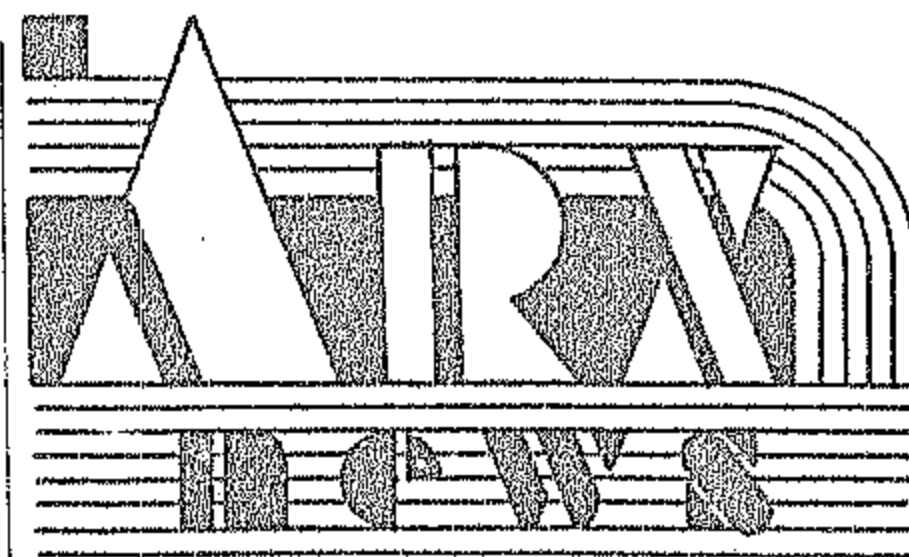
Since its beginning in February, 1936, the Co-op group of Mechanical Engineers has continued to grow through depression and recession. The latest addition to the class was made January 30, 1939, and consisted of eighty students from Chicago and neighboring cities, forty in each group.

The total number of Co-ops has now reached 303, which is only 41 below the number of mechanical engineers enrolled in the regular four-year course at Armour. Of the Co-ops the largest class is in its second year and numbers 81. The freshmen class, with eighty students, forms the second largest class. The third year class ranks third in size, numbering seventy-eight, while the smallest class is composed of the fourth-year group of sixty-four.

During his four years as co-ordinator for the Co-op course, L. J. Lease has enrolled 379 Co-ops. Many of these have dropped out in the past three years, but a number of the vacancies have been filled by new students so that the Co-op enrollment today is only 76 below what it might have been with no changes.

With the addition of the Co-ops, mechanical engineers now comprise by far the largest division in the school, with 747 students. The chemical engineers follow with 283, which is somewhat less than either 303 Co-ops or 344 regular four-year mechanicals.

This year's working schedule has been changed slightly. Instead of working in the factory in two nine-week periods and one eight-week period, with one week of vacation early in the summer and one week late in the summer, the students will work in two eight-week periods and one ten-week period, with two weeks vacation late in July or early in August. This arrangement will keep Co-ops from school for 12 weeks in the summer and will give instructors a one-month's vacation. Co-op students will continue to spend twenty-four weeks of each year in school.



Well, the semester's off with a bang:

They tell me that Beauz-Arts and the new do not go together; however, Boz-Arts and the new do. I hope.

It seems as though Baldy and Green Pants plus the Fox were preparing a gala occasion at Soph Dance. . . . Baldy was mighty worried. . . . Soph Arx attending the dance were credited with having made the dance a success.

In the Freshman class, a sweet potato concert has been arranged at Joe Q. U.'s persistent request . . . how touching; how accommodating.

Ossie in addition to being chief bookie is now also chief bowler . . . if people only knew! . . . Frosh are quite up on the new moving pictures on in the loop, good for them.

We understand that the Arx News will be delivered specially to the Art Institute for ye good ole Arx on Tuesdays, hereafter, ain't that sum'pin'.

Till next with more

BOZ-ARTS.

MUSICAL CLUBS—

(Continued from page one) chestra consists of forty-four members and the glee club of seventy-five members.

Soloists for the orchestra this year are: William Mashinter, violin; Donald Charlton, trombone; Peter Woods, oboe; Harold Doolittle, trumpet; and George Danforth, piano. Soloist for the Glee Club is Thomas Yeakle, baritone.

The officers of the combined Musical Clubs are Tom Yeakle, president; George Danforth, vice president; Carl Reh, secretary. The glee club has the following officers: John Keane, president; Howard Coyle, secretary-treasurer and Eugene Worcester, manager. The officers of the orchestra are: Paul Hoffman, president; William Mashinter, secretary-treasurer and Bill Caldwell, manager.

Advertisement for Chesterfield cigarettes. Features a large illustration of a man in a suit holding a cigarette and a pack of Chesterfield cigarettes. Text includes: 'The RIGHT COMBINATION is Chesterfield when you're bidding for More Smoking Pleasure', 'By combining (blending together) the right kinds of mild, ripe American and aromatic Turkish tobaccos, Chesterfield brings out all their fine smoking qualities and gives you a cigarette that's outstanding for mildness... for aroma... for taste.', 'When you try them you will know why Chesterfields give millions of men and women more smoking pleasure... why THEY SATISFY', 'Chesterfield... the blend that can't be copied... the RIGHT COMBINATION of the world's best cigarette tobaccos', and a testimonial from P. Hal Sims: 'The colorful P. HAL SIMS, master bridge authority and player says, "It's the right combination of keen bidding and skillful play of the hands that takes the tricks".'