

TECHNOLOGY NEWS

Volume 47, No. 1

ILLINOIS INSTITUTE OF TECHNOLOGY — CHICAGO

February 16, 1948

Chem Laboratory Facilities Expanded



A TREE GROWS IN TECHNOLOGY CENTER—Workmen plant a 35 foot elm, one of 58 trees being placed in the vicinity of three buildings comprising the completed section of the new campus.

Forty of them are elms, each with a 10 inch diameter and a 35 foot height. The others are Hawthornes which have both spread and height of 16 feet. With 12 to 14 cubic yards of top soil being used to plant each tree, their weight averages seven tons each.

Top soil will be deposited over the remainder of the new area not already filled, and grass will be planted as soon as weather conditions permit. It is expected that the trees will be in leaf this spring.



Area Increased 174,000 Sq. Ft.; Even Heating Provided In MC

Two more buildings have been completed and placed in service in line with the Institute's campaign to enlarge and beautify the campus. These are the Metallurgy (MC) and the Chemistry (CB) buildings.

President's Message

In your personal advancement, whether you aspire to engineering, or science, or some field which grows out of your liberal studies, there are three steps in the attainment of a professional status.

You have completed the first—your pre-college education and choice of your career. You are now entering upon the formal collegiate work which comprises the second. Finally, you will enter a period of post-college training and adjustment through which you must pass successfully before you can lay claim to full professional status.

We are vitally concerned, as you are, with the formal collegiate education you are now starting. Our faculty and staff will do their utmost to serve you well, to make your life at Illinois Tech fruitful, beneficial, and inspiring.

I should emphasize, however, that you will not have "arrived" simply because you acquire a degree. You must continually strive to increase your knowledge, advance your competency, develop your character, and apply all of these in extending your service to your community, your clients, your colleagues, and the general public.

In your years at Illinois Tech, we shall not only strive to give you the best formal education we know how, but we shall exert our efforts equally intensively to help you instill in yourselves the high sense of individual responsibility without which you cannot do justice to yourselves or your profession.

HENRY T. HEALD

Recent Class Elections Draw Record Turnout Of Tech Voters

The largest election in the history of Illinois Tech took place in the recent campaign for class officers.

In the senior class the ME slate elected candidates to four out of the six class offices. Bob Guthrie and Lester Templeton, Jr., elected as president and vice president respectively, were the only candidates of the opposition party who were successful. The ME's put into office Carl Bergstrom, secretary; Charles Swanson, treasurer; Salvatore Terranova, social chairman; and Robert Elliott, SUBC representative.

Juniors Set Record
Setting another new IIT election

Dr. Davis To Head IE Department

Prof. Henry P. Dutton has resigned his administrative duties in the department of industrial engineering, effective at the beginning of this semester. He will continue as a full-time professor in the department.

The administrative duties have been taken over by Pearce Davis, chairman of the department of business and economics, who will now serve as chairman of both departments.

"The department of industrial engineering is not being merged with the department of business and economics,"

stated James C. Peebles, dean of engineering. "It will continue to operate as an independent department in the Engineering division of the Institute. Dr. Davis will be serving therefore in a dual capacity, not only in the Division of Liberal Studies, but in the Division on Engineering as well."

record, 23 candidates ran for junior class offices. This race, which proved to be the hottest contest of the election saw the strong Poor Man's party take three of the junior positions. George Bowman and Bob Nelson were elected as president and vice president against spirited opposition from three other organized parties and two independent candidates. Celia Barteau and Irene Radvilas were elected as secretary and social chairman, giving the junior class two women among its officers. Jim Wangersheim, with backing from two parties, became treasurer while Poor Man John Dinou won the SUBC position from a mystery lady, one Teresa Grabenheim.

No Independents

The sophomore class campaign was a strictly party affair, with three parties running candidates for every position and no independent candidates involved. Ray Van Zelst is the new president of this class, Arlene Edwards is secretary, Les Hardison treasurer, and James Fitzpatrick social chairman. Don Campbell will represent the sophomores on SUBC.

The freshman class had the least campaigning. Harvey Wilson became president with opposition from two other candidates. Frank Yates took secretary and Edward Rowe treasurer while Roger Krafft was unopposed as social chairman. Kimbal Nedved was also without opposition as SUBC representative.

Amendment Approved

An amendment to the ITSA constitution creating the office of treasurer was approved overwhelmingly.

(see CLASS ELECTIONS on page 3)

Signs Of The Times

The following notice was found taped to the glass of a peanut machine in South Union last week:

"Do not be sucker enough to deposit five cents in this robber device. Five cents gets you seven nuts. We tried and lost."

Five Poor Students

Harriman Seeks To Halt Studying In Cafeteria — Minimum Charges Set

Frank C. Harriman, former manager of the Lawrence college student union and now director of foods at Illinois Tech, has instituted a number of changes in the cafeteria system.

The most important change is the new method of paying the check as you leave. The purpose of this is to promote a greater turnover in both cafeterias. At present each cafeteria seats about 200 people and the average turnover is about 10,000 daily.

New System Faster

With the old system of receiving the check and paying at the counter, it was possible to serve only eight customers per minute and most of the time not even that many.

With the new system Mr. Harri-

man hopes to raise this quota to as high as 12 to 14 customers per minute. Since this method is still in its infant stage at Illinois Tech, it is impossible to determine at this time whether this hope has been realized.

Checks Required

Everyone who leaves the cafeteria is required to have a check in his or her possession. This will be done

(see CAFETERIA on page 10)

Equipment Drawers Redesigned

Each bench will have all the common reagents available. In addition to taps for water, gas, and air, vacuum, steam, an A.C. and D.C. electrical outlet will be provided each position. Distilled as well as hot and cold running water will be available at the trough at the end of each bench. Equipment drawers have been redesigned to separate the glass and metal equipment, in the hopes that breakage will be reduced.

In line with the department shifts taking advantage of the increased space available, the technical drawing department has expanded to the fourth as well as the fifth floor of Main. The electrical engineering department will remain in its laboratories on the first and second floors of Main.

(see AREA INCREASED on page 9)

In Broad Daylight

Mysterious Attack Foiled By Husky Techawk

By Jim Gaffney

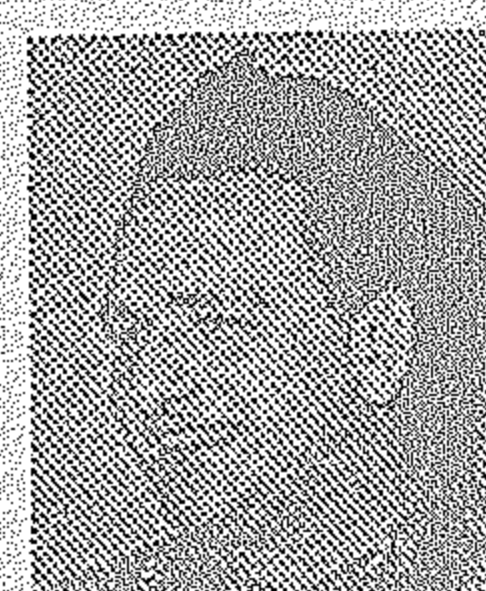
Although it was early afternoon the street was still deserted. Two cars were wending their way along Michigan avenue. The first vehicle was a black '47 Dodge; the second a dark green '41 Pontiac.

As the two cars approached 47th street the dark green Pontiac increased its speed and pulled abreast of the Dodge. Slowly it crept ahead and at the opportune moment the driver swerved to the right and forced the Dodge to the curb.

Lee Schlesinger, senior CE (driving the '47 Dodge) on his way home from his last class and with his mind burdened with the thoughts of the coming finals, applied the brakes in time to barely avoid a collision.

The driver of the Pontiac rushed over to Lee's car, opened the door and with no warning, threw a right to Lee's chest. This was a very foolish move since Lee is one of the huskiest Techawks on the campus.

Our hero, stunned by the action but not by the blow, immediately recovered his composure. Lee stepped from the car and lost no time in jamming a knee into his assailant's



Lee Schlesinger

lower abdomen. An uppercut to the jaw ended the fight almost as soon as it began.

Two policemen driving by witnessed the scuffle and stopped to investigate the difficulties. Lee explained what had happened but, since he had suffered no harm and his car had not been damaged, he refused to press charges against his assailant.

The police, noticing that Lee's left hand was cut, took him to the station and administered first aid.

As to the purpose of the assault, Lee has no idea. It may have been for a hold-up, hi-jack, or for any number of reasons. As Lee says, "It's just one of those things."

TWO

It Makes Sense

"What good will it do me?" is an oft chanted question. This feeling, to a greater or lesser extent, is the predominant spirit of most voluntary elections—where voters are not dragged to the polls.

In Illinois Tech's recent election a greater percentage of the student body voted than ever before, yet more than half of the students on the campus evidently felt, "I don't particularly care who gets elected."

Now we're not idealists, and if it is actually useless to vote or if the results cannot possibly affect the voter—why then we say DON'T VOTE!

On many college campuses student government officers are mere figure-heads; but this is certainly not true on the IIT campus. All five of the class presidents, four of whom were elected in the last election, are also members of the board of control of the Illinois Tech Student Association.

The student representatives should be men and women who can think clearly. They must not be easy prey to pressure groups which abound on any campus. THESE REPRESENTATIVES HANDLE APPROXIMATELY \$22,000 OF STUDENT MONEY EVERY YEAR.

Each student, when paying tuition, contributes \$6 to these funds, which are allotted to various campus projects and activities throughout the year.

Student recreational facilities are controlled by ITSA through the Student Union board of control, one of its standing committees.

Cafeteria service, health insurance, use of the union facilities for private enterprises, and other points of vital interest have been the subject of investigation by ITSA, acting as agent of the student body.

The student that neglected to cast his vote lost an opportunity to take part in these matters. Voting makes sense at IIT.

In Sympathetic Motion

It's going to be a tough grind for the incoming freshies to make the transition from the old buildings to the new.

Right now they're just in time to have the pleasure of taking technical drawing in the Main building. Just as

they get used to drawing a line in sympathetic motion with the vibrations of a passing train they'll be moved to a new location and their plates will look like the product of a patient in Dun-

ning's DT ward.

They'll solve that mouse and cheese puzzle known as Chapin hall only to be shocked by the realization that the buildings will be torn down and their efforts at deciphering the conglomeration of stairs, halls, and blind alleys, in order to find their class rooms, were all in vain.

Yes, it's going to be a tough grind.

TECHNOLOGY NEWS

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GOOD GRIEF, WELLINGTON, HAVEN'T YOU RAISED THE ENTRANCE REQUIREMENTS A BIT TOO HIGH?



Letters To The Editor

Senior Social Chairman Defends Actions Of 'Minority', Blasts Student Lethargy

Dear Sir:

Send up a rocket! Three cheers for Mr. Schyman. In his letter published in a recent issue of *Technology News*, he presents a well founded complaint received by grieving IIT class officers. The question of whether or not an "insidious minority" is controlling the school is basically a question of...Where is student interest in student social and class activities?

The meeting of the class of June, 1948, to which Mr. Schyman referred, was announced very efficiently. An article was placed in *Technology News* the week preceding, and postal cards giving all details of the subject, time and place were sent to every member of the class. The meeting being held during a free hour, it was assumed that every person concerned could and would attend.

Because experience has shown the improbability of a large turnout, it was also assumed that a majority of those interested enough to attend would be sufficient to come to decisions. This is not at all an unreasonable practice, as Mr. Schyman suggests, in view of the above consideration. As a matter of fact, the 52 to 38 vote in favor of having the Senior Farewell dance next June formal is probably a very conclusive majority because the same experience has shown that those people who attend class meetings are for the most part those who

attend social affairs.

Although class activities are just a part of Illinois Tech, extensive interest in those activities, and a willingness to actively participate in them, are what constitutes real school spirit.

What do the missing 200 prospective June graduates have to say?

Race N. Wilt
Social Chairman,
class of June, '48

Slipstick

We were finally coerced into divulging the origin of our material the other day. The editor, after taking advantage of his privilege to censor our gags, questioned our source. Resenting this, we barked back, "At the barbecue joint down the street. They're always good for a few ribs."

IIT

Model: Do you remember the dress I wore last night? It was a little French creation called "The Sinking Neck-line."

College Joe: Hmmm—well then, this one must be called "Torpedoed."

IIT

Daffynitions

Pessimist: One who builds dungeons in the air.

Girdle: A garment that prevents a lot of loose walk.

Elephant: An animal that works for peanuts.

Shoulder Straps: A piece of ribbon worn to keep an attraction from becoming a sensation.

IIT

Household Hint

The best way to protect a wedding ring is to dip it in dishwasher three times a day.

IIT

Cook: You're not eating your fish; is there anything wrong with it?

Diner: Yeah, long time no sea!

IIT

Prospective Employer: I can use a man with your personality, strength and leadership. I'd like to have you on my team.

IIT Grad: Thank you, sir. What kind of business are you in?

P.E.: Borax business—I have a twenty mule team.

IIT

We hope you don't feel like the drunk in the phone booth, who, when asked for his number, said, "Number, #&%—&, I want my peanuts."

as I see IT-

Sherwood Benson

Editor-in-Chief

THERE ARE BIG THINGS doing on the Illinois Tech campus today.

More than 174,000 square feet of floor area have been added to the space available for instructional purposes.

The 920 students that voted in the last election is the largest student show at the polls in 55 years.

Twenty-three candidates running for junior offices represented the largest number of students that ever drew political swords under one class banner in the history of IIT.

This issue is the BIGGEST *Technology News* that has ever gone to press.

In contrast to all these big things—this is the first time I am writing this column.

WHEN A NEW EDITOR-IN-CHIEF is appointed most people believe that it is a signal for the fortunate man to swing back in his seat, put feet up on desk, and break out a big black cigar. But if this man has had any experience on *Technology News* and he can see through the smoke he will know, as I know, that the real backbone of the paper is not the Editor-in-chief.

A college newspaper depends not upon any single person, but upon a group for its strength. The reporters, photographers, cartoonists, assistant editors and editors, all 70 of them compose the backbone of your campus paper. See "Cross Section—*Technology News*" on page three, column one.

IT IS INTERESTING TO note from the results of our last election the similarity between politics on the national level and politics on the college level.—Independent candidates don't have a chance.

One candidate even followed the lead of Governor Earl C. Warren of California and placed himself on two opposing tickets: he was elected.

SINCE EIGHTH TERM STUDENTS were not eligible to vote in the last election 33 percent of the eligible student body actually took part in the voting.

An election committee, composed of Warren Brockmeier, Dave Pasik, and Ken Thompson worked all day and long into the night acting as judges and also tabulating the votes. Although it would require a much larger committee, many more Techawks could vote if the elections were held on two days.

BECAUSE *TECHNOLOGY NEWS* is the only newspaper on the campus I do not feel that we should back one particular candidate. However, it is our intention to publish a careful account of the voting record of each student member of the ITSA—voters will have a clearer picture of exactly what kind of candidate they have elected.

Collegiate World

Barber Frustrated; He Can't Clip Prof.

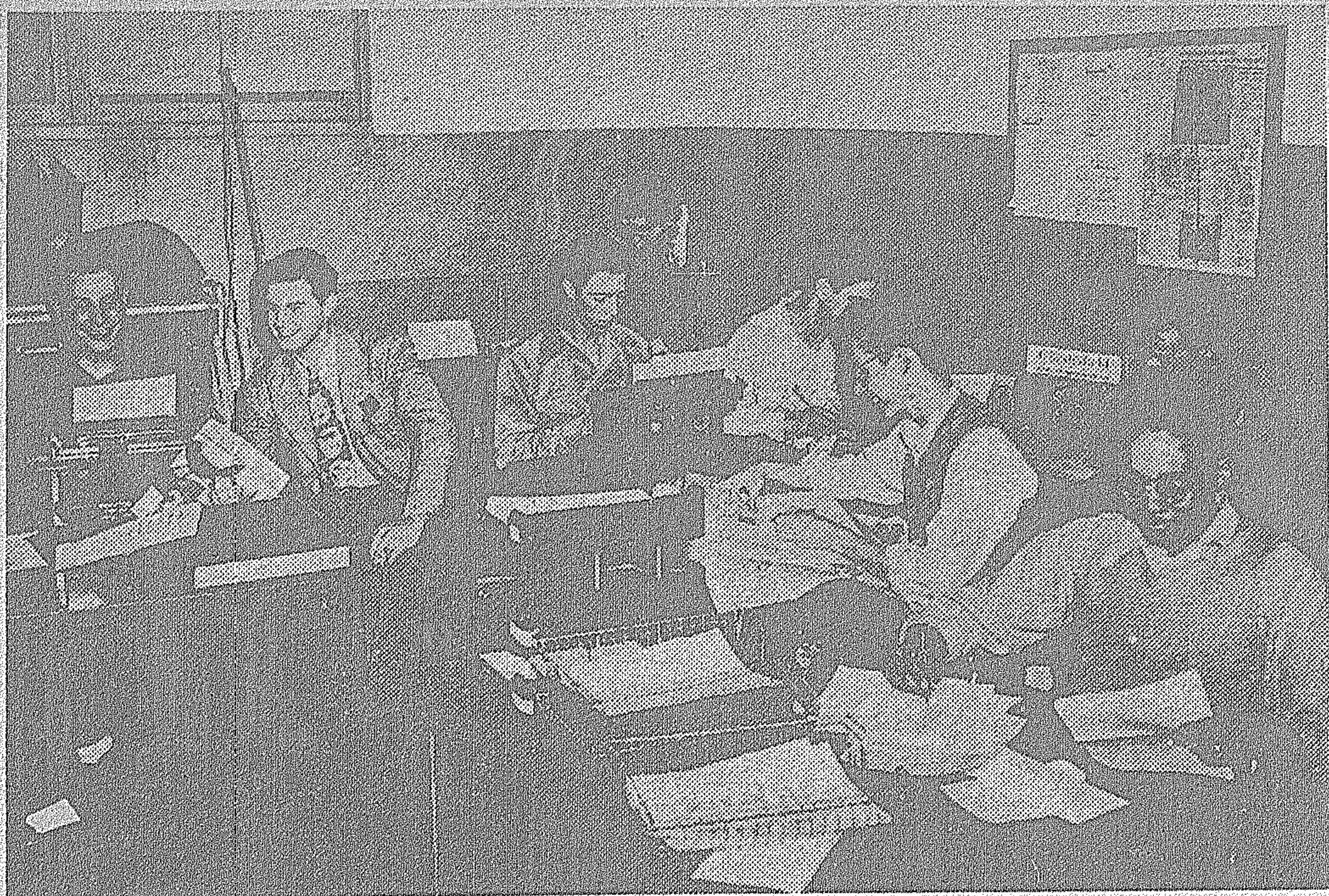
By Don Goldsmith

The latest absent-minded professor tale comes from Furman university. It involves a math professor named Bowen. This yarn alleges that Dr. Bowen made one of his infrequent visits to the barber shop and seated himself comfortably in the barber chair with bothering to remove his battered fedora from his formula-filled head. "Hair-cut," he commanded the barber. "Certainly," the curt barber replied. "Would you mind taking off your hat?" "Oh, I'm sorry," stammered the befuddled prof., "I didn't realize there were ladies present."

The *Bucknellian*, Bucknell University's paper, carried a story entitled, "Education seekers: Saying Good-bye 103." The article featured three pictures surreptitiously taken with an infra-red camera (the type that takes pictures in the dark.) The subjects of these photos were couples saying their Saturday evening "Good-nights."

According to the captions under the pictures, goodbye saying is divided into three steps: (1) "To the first date, or the formative period which usually ends with 'I had a lovely time but I really must be going in'." (2) The second step or the intermediate stage is an advance, but not a very highly developed one; it comes at the time when the male things, "What have I to lose?" (3) Then there's the third step...





PRESS NIGHT as fugitives from class work delve into the problems of meeting that evasive deadline. Left to right are: Jim Wangersheim, Otto Kroh, Jim Gaffney, Bill Laube, Saul Needleman, Bill Furlong, Andy Arentz, and Les Templeton.

Cross Section — Technology News

It Takes A Heap O' Work To Run A Newspaper

Most people, even those who work on one, can't figure out why or how a college newspaper ever manages to go to press—especially in a technological school where long labs and reports cut spare time to the bone.

The biggest attraction that pulls half-willing students into the office to slave at the copy desk is—well, nobody really knows. Some say they get personal satisfaction from seeing their names and stories in print, others like the smoky atmosphere and loud noises that emanate from the editor's desk. But most staff members realize that they can learn about journalism, and the longer they stay around the more they can learn.

No Faculty Censorship

Ever since the Illinois Tech Publications board eliminated the faculty censor last April and placed the

full journalistic responsibility on the shoulders of the editor-in-chief, he has been forced to assume supreme command. But the paper can't work effectively unless departmental responsibilities are allocated to specialized editors.

Due to the constantly multiplying financial details of a newspaper like *Technology News*, a complete business staff headed by the business manager, is required to handle financial details. He is responsible for all money matters (a very important man about the office!).

Editors Form Board

The paper functions around the Managing board, which meets every Monday afternoon. This board is composed of the specialized editors (Managing, News, Feature, and Sports) besides the Editor-in-chief and Business manager.

The Managing editor handles news layout details in conjunction with the Editor-in-chief. Along with the other Managing board members he is constantly available for call by the editor-in-chief for editorial material.

It is the News editor's responsibility to collect news leads and crack a whip over the heads of 20 to 40 reporters. Also at the helm of the copy desk on Friday nights when the news pages go to press, he rips their stories apart with the aid of his rewrite men (he really loves reporters).

'Underfire' Writing

The Feature editor assigns, edits, and places all *Technology News* feature material and lays out the editorial page; his biggest worry, how-

(see CROSS SECTION on page 5)

Curtain Time For 'Male Animal'; Techawks Become First Nighters

By Herman Fleischhacker

The "Male Animal," a comedy written by Elliot Nugent and James Thurber, will be presented by Dramatech on the stage of the North Union auditorium on the night of February 25 and 26.

This production is a significant step in the development of dramatics at IIT. Under the direction of Frank M. Hrachovsky, professor of technical drawing, it promises to live up to near-professional standards.

Ray Klopsch, third year English major, has the male lead in the role of Professor Turner, a young progressive intellectual who has the strange idea that his pupils should hear both sides of every story. During his struggle with the faculty, he also has to fight to keep his wife's affection against the temptation of her one time beau, a football star and perfect specimen of a male.

Hrachovsky Tells Views

"The play will not be a reproduction of everyday life," said Professor Hrachovsky, "but an artistic interpretation of the script, arousing emotion in the audience."

"For instance, one of the prominent personalities in the play is Mrs. Turner, described as 'extremely pretty with a ready smile and forcefulness of personality that warms the room.' This description should fit Marilyn Carey, who portrays her, very well, and seeing her act should remind you of your favorite

gal back home. Marilyn feels that actors portray themselves most of the time, except that they do it in an exaggerated manner and against different settings. She should do a good job in her role.

Actress Should Be Versatile

"But we have another beautiful young lady in the lead. Patricia,



Evelyn Beacham

Mrs. Turner's younger sister, is played by Evelyn Beacham. Evelyn, an English major, says that an actress should be very versatile and portray many personalities not necessarily close to her own. She seems to prove that point by having played the old ward in *Arsenic and Old Lace*, while in high school in Crystal Lake."

The supporting role of Joe Ferguson, the football star, is played by W. J. Krzyzewski; of the Dean by George Sensibar; and Michael Barnes by Kasimir Muniak.

Bill Thayer, junior IE, is technical director of the production. He is building a portable arch structure which, after use in this play, can be used in future productions. Bill has had previous experience in prep school and later at Iowa State college.

The stage, which was considered inadequate, is being enlarged ten feet.

Class Elections

(Continued from page 1)

ly. This office has existed under the by-laws for the last year. Also on the ballots was an opinion poll on NSA. Results of this were 425 for and 224 against, with 190 students registering no opinion.

The total vote on the election was a record high of 920, which was 29.7% of the students. The closest race in recent years also occurred during the election, with Les Templeton polling 72 votes as senior vice president against Jack Sutherland's 71.



It's Another Headline Record!

Louis Prima's "With a Hey and a Hi and a Ho Ho Ho" (RCA Victor)

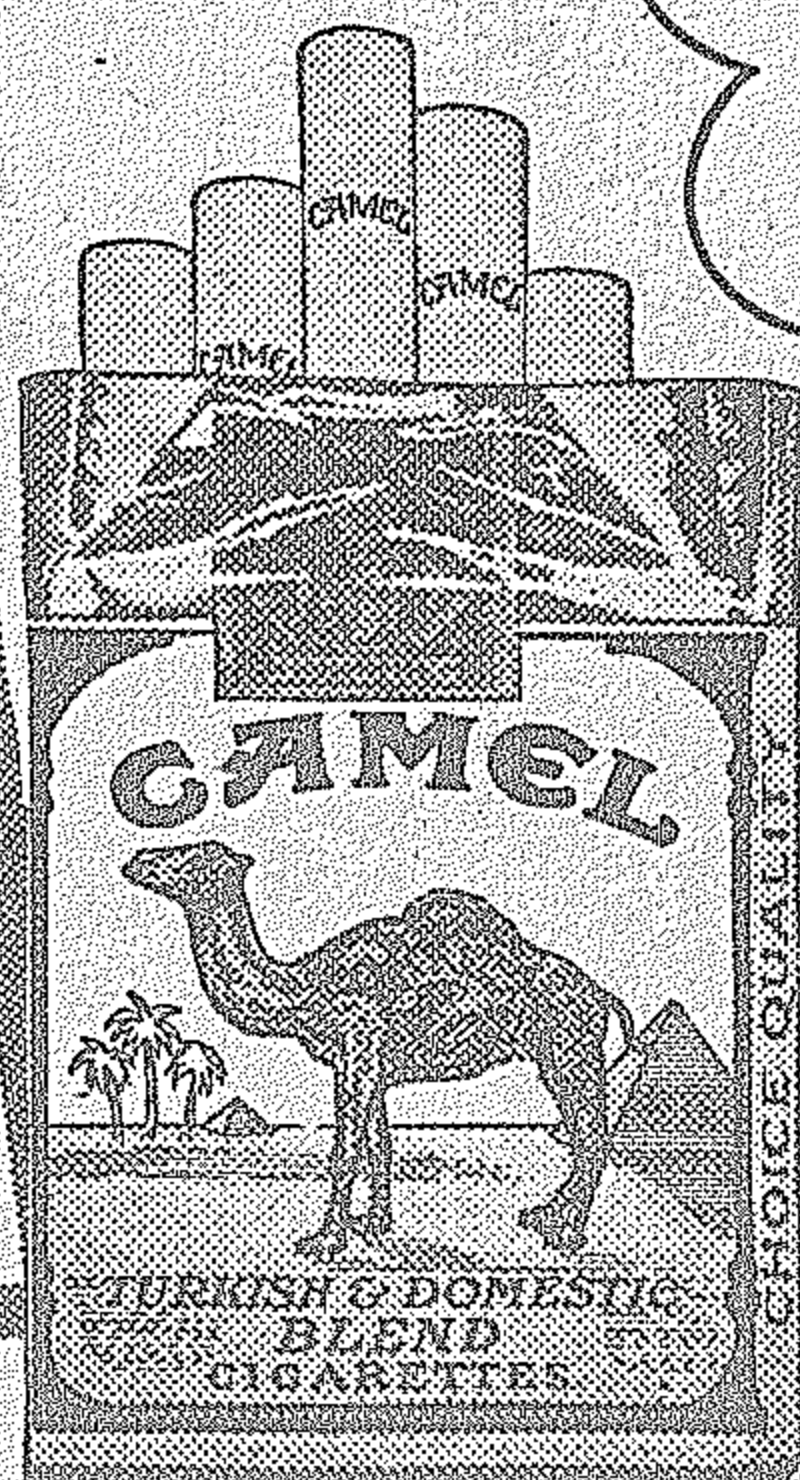
THE MAN who plays pretty for the people, Louis Prima, has a groovy new record! A trumpet player of long experience, Louis knows when he's hit the right note in smoking pleasure too. He's a dyed-in-the-wool Camel fan. "Camels are the 'choice of experience' with me," says Prima.

Try Camels! Let your own experience tell you why, with smokers who have tried and compared, Camels are the "choice of experience."

CAMEL
IS MY
BRAND!

And here's another great record—

More people are Smoking
CAMELS
than ever before!



R. J. REYNOLDS TOB. CO.
Winston-Salem, N. C.



Faculty Loses Married Couple As Reeds Leave For Champaign

Dr. and Mrs. Myril B. Reed, both of the IIT electrical engineering department, have left the Institute this month and moved to Champaign, Illinois. Dr. Reed will begin teaching this semester at the University of Illinois in the EE department of the engineering college.

On the faculty of Armour Institute since the fall of 1938, Dr. Reed was a professor at IIT while writing a book on AC circuit theory. The galley for this publication are ready, and the book is expected to be published this spring. He has also begun another book on electrical engineering which he plans to complete while at Illinois.



Myril Reed

As a co-author with Dr. Reed of a book known in the IIT bookstore as "Reed's Notes", Mrs. Reed said she expected to be able to spend all her time getting these notes into shape for publication as "Mathematics for Electrical Engineers" during the next several months. It is expected to be available within a year.

Dr. and Mrs. Reed met at the University of Texas, where he received his graduate degrees in electrical engineering, and where she was awarded her master's degree in mathematics.



Georgia Reed

When he joined the faculty of Armour Institute, Mrs. Reed graded his class papers until the spring of 1944, when she also started teaching, in the pre-radar courses given here under the military training program. For the last two semesters Mrs. Reed has been teaching at IIT on a full time basis.

"We're both small town people", commented Dr. Reed. He was raised on a cattle ranch in Wyoming, while Mrs. Reed came from a Kansas town. Their first home was in Austin, Texas. A deciding factor in his acceptance of the university position was their acquisition of a house in Champaign, Illinois, within walking distance of the university campus.

On-Campus Jobs Made Available To Techawks

A number of openings are now available for part-time or full time work at the Institute, according to Gilbert A. Force, Illinois Tech business manager.

The part time jobs, particularly suited to graduate students with flexible programs, include typing, clerical, administrative and office work.

Full time openings, offered to wives of IIT students, include cashing, shorthand, and dictaphone work in addition to the above positions. Interested wives may apply to L. E. Jasker in room 106 CB.

Engineers Wanted

Bachelors Degree, Large College offers \$3,000—Approximate half time teaching—studying. Master to \$3,500.

South Western College needs Engineers teaching research — opportunity to do grad work. Associate professor \$4,500—Assistant professor \$4,000.

Vacancies Other Fields

CLINE Teachers Agency

East Lansing, Michigan

Man Of The Week

Smiling Bob Likes People

By Jack Wolfe

"There are smiles that make you happy" is the theme song of IIT's Man of the Week, Bob Cunningham.

He definitely will not buy the Brooklyn bridge from you even if your exposed dentures gleam as the driven snow. However, your chances will be much better than if you didn't smile at all. Within certain obvious limits, Bob places great faith in smiling and general amiability as headache cures. "Like people and they'll like you," is the way he puts it.



Bob Cunningham, an eighth term architectural student, Bob had gleanings of his future with a drawing board in grammar school. His art teacher there evidently saw great things in Bob's crayon

cows, because he hustled him down to the Academy of Fine Arts to develop that long firm stroke that all good architects need. After Bob graduated from New Trier high school in 1941, he spent three semesters at the University of Illinois in the architectural curriculum. At Christmas, 1942, he volunteered for navy service, and after training that included an electronics course, and naval gunfire orientation study at Cal Tech, served with a joint assault signal company on detached service with the army in the South Pacific for 15 months. He was on Luzon when the war ended and in March, '46, was discharged.



While in service, Bob checked the relative merits of various schools, and when he was finished, and lo, the name of IIT led all the rest! Then too, all that gallivanting around made him appreciate the comforts of living at home. So he started at Illinois Tech a week after he returned to his kin at Wilmette.

Although the arch department throws a fairly rugged course, Bob has participated in a goodly number of outside activities. Now president of the 4A class, he is a member of the Publications and the Student Admission Advisory boards, the Assembly committee, the Integral staff, ITSA (former president and vice-president), and Pi Delta Epsilon. He is co-editor of the Technette, and his name is in "Who's Who Among Students in American Colleges and Universities." Besides all this, he's a football fiend. He plays on the intramural teams, and a goodly portion of his \$65 checks last Fall was spent on tickets to Notre Dame games.

We asked Bob about marriage, but he shook his head. "I just keep smiling at the girls," he said. "Let them chase me till I catch one of them!"

His plans after graduation are hazy. "I'd be most happy in a job where I meet people, and I'd like to travel, too. Maybe to South America. But the thing right now is getting that degree!"

CAMPUS CLUB PETITIONS FOR MEMBERSHIP IN NATIONAL FRAT

Two students of Illinois Tech, Henry Bierman, formerly of Lawrence college, and Robert Mullen, who previously went to Purdue University, have started a new organization on campus called the Pegis Club.

The aim of the club is to become a chapter of Sigma Phi Epsilon, national social fraternity, in which both Bierman and Mullen are active members. Sigma Phi Epsilon men are nicknamed Sig Eps, hence the club name of Pegis, which is Sig Ep spelled backwards.

Henry Bierman, president of Pegis, believes that there is a great need for another fraternity on the campus. He says, "The number of men in school who wish to join fraternities is much greater than the fraternities are able to cope with."

At present Pegis has 22 members but by the end of the semester it hopes to have about 40. The club was started the first week in December and hopes to become a chapter of Sigma Phi Epsilon about April 24.

The formal petition for membership in Sigma Phi Epsilon will be submitted in March. Until they get a house, Pegis will limit its membership to about 45 men. After acquiring a house, it will expand according to the available facilities.

Announce Power Conference

The Midwest Power conference will hold its annual meeting in Chicago on April 7, 8, and 9. This was announced by Stanton E. Winston, dean of the evening division of the Institute, and chairman of the conference.

Advertisement

FOR SALE
Drafting instruments, 2 complete sets, brand new German-made Dietzen or Hoff brand. \$80 each; call Keystone 7479 after 6 p.m.

Techawks Will Elect Outstanding Students

Voting for the Man and Woman of the Year, by the student body, will take place in the North Union on February 26 and 27.

Students must be seventh or eighth termers in order to be eligible for election. Other factors affecting eligibility are scholastic attainment, extra curricular activities, and popularity. Institute records have been surveyed for this information by representatives of ITSA, whose choices will be checked by a faculty committee. Students not chosen, who believe themselves eligible, may request consideration from ITSA.

Those chosen by ITSA as candidates for Man of the Year are R. Ailara, R. Applegate, M. Balikoff, R. Belke, D. Benton, C. Bergstrom, F. Bernstein, R. Boerke, R. Boydston, W. Brockmeier, D. Budlong, J. Coffey, R. Cunningham, and S. Curiale.

Others on the list are R. Dreffin, E. Dymek, N. Esslinger, R. French, W. Gauthier, B. Guthrie, J. Hayes, H. Kimball, F. Koditek, E. Koncel, G. O'Brien, G. Prochnow, and H. Sachs.

Concluding the list of men are E. Smith, W. Sponseller, L. Sternick, B. Sutton, L. Templeton, P. Thompson, and C. Weeks.

Those vying for the crown of Woman of the Year are G. Cibulski, M. Dixon, J. Edwards, M. Hewitt, P. Kennedy, C. Moses, B. Shileika, E. Strosheim, P. Vedel, I. Wright, and W. Gorrell.

THIRST KNOWS NO SEASON



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Go West Young Man

Joe Pulls Up Anchor As Stork Beckons; Heads For Sunshine

By Henry Holmes

Joseph Hardman, seventh term EE, said goodbye to the Illinois Tech campus early last week. By this time he has probably arrived in his home town of San Mateo, California.

Joe sat on a small chair in the Hardmans' one room "apartment" and said, "I have two good reasons for leaving IIT and the Midwest.

"One reason is that the prevailing cost of living has cleaned my pockets; and the other is that my wife is expecting a little EE and/or a home economics major.

It's not that the cost of living is lower, or that apartments are more plentiful in California," Joe went on, "It's just that I'm going to live with my in-laws—and they operate on a non-profit basis."

There is little besides Joe's powerful build and easy smile that makes his appearance different from any other GI who depends upon his subsistence check to feed a family. Even his scars from flash burns that he got at Pearl Harbor have faded. The one really pleasant memory Joe has of almost seven years in the Navy is his marriage to his wife, Marge.

Joe met Marge in sixth grade grammar school, but never started getting serious until he met her again in a swimming pool ten years later. "She had me hemmed in from the start," Joe fondly reminisces. "She sat in front of me in sixth grade, and in back of me in a junior college Spanish class."

When Joe boarded a train for the West, Illinois Tech lost not only the captain of its swimming team, but

a phenomenal breast stroke swimmer. He hasn't lost a race at IIT, and has only had three defeats chalked up against him since he started competitive swimming.

Vets Comprise 21% Of New Techawks

As of February 9, 540 students had been admitted to Illinois Tech for the coming semester. Of this number 232 were freshmen, 240 were students of advanced standing, and the remainder were former students.

Of the new freshmen, 112 are veterans; and 76 high schools in 16 states, the territory of Hawaii, Greece, India, and Palestine are represented. Mimeographed lists of all new students are available at the admissions office for the information of interested campus groups.

Members of Alpha Phi Omega and the Student Admissions Advisory board assisted admissions office personnel during the counseling period preceding registration.

Calling All Bridge Players

Students interested in the Inter-collegiate Bridge tournament are requested by Bob Ricker to meet in the ITSA—Integral office at 5 p.m. today.

A team of eight will represent IIT in competition.

Dr. Hunt Addresses Graduates; Degrees Awarded To 281

Two-hundred and eighty-one degrees were conferred on graduating students at the commencement exercises held at Orchestra Hall on January 31.

The principal address was given by Dr. Herold C. Hunt, general superintendent of Chicago schools, who spoke on the topic, "For Such an Age." The degrees were conferred by Henry T. Heald, president of Illinois Tech.

Of the 226 BS degrees in the College of Engineering, 3 were in architecture, 22 in chemical engineering, 16 in civil, 68 in electrical, 7 in fire protection, 21 in industrial, 88 in mechanical and 1 in metallurgical.

The 26 BS degrees in the College of Arts and Sciences were divided as follows: 8 in business and economics, 6 in chemistry, 3 in physics, 1 each in home economics, mathematics, political science, psychology, and public administration; and 4 undesignated.

Twenty-seven master of science degrees and two doctor of philosophy degrees were conferred at the ceremony. Captain Donald McGregor presented seven commissions to graduating NROTC students.

Expanded Counseling Program To Answer Requests For Aid

A "How-to-Study" course, intra-departmental programs, and an extension of the freshman adviser system are highlights of an expanded counseling program for the coming semester.

Because of a large number of requests for individual assistance, John Smale, student counselor, has arranged to conduct a non-credit study and reading course to aid students experiencing difficulty in studying. The course will meet twice a week for eight weeks at an hour to be arranged. All interested students are urged to contact Mr. Smale directly.

Representative of programs contemplated for eventual adoption by all departments is that being instituted in the chemistry department for the coming semester. Question-conference periods will be scheduled for students having difficulty with any course in the chemistry curriculum. These periods will be conducted by faculty members of the department. Other departments arranging

their own counseling programs are the BE, IE, PSS, FPE, and HE departments.

Rifle Club To Elect New Officers Friday

The Illinois Tech Rifle club will hold its first meeting of the semester Friday at 5:10 p.m. in the Alumni hall rifle range. An election of officers will be held at that time, and membership in the National Rifle association will be considered.

Experienced riflemen who wish to belong to the club may apply for membership. A limited number will be accepted on the team.

COLLEGIATE MAGAZINE ARRIVES AT IIT!

The first issue of COLLEGIATE Magazine, the new monthly for mid-western college students has arrived at IIT.

It is loaded with articles on radio, jazz, movies, records, vet's affairs, and movies. Fast-paced fiction and two pages of pictures on University of Chicago, and Navy Pier! Read about COLLEGIATE'S "Cinderella-Girl"!

... And read why your professor can't afford to teach you! It's all in the March issue of COLLEGIATE on sale at the IIT Bookstore.

IIT is now a "Collegiate" campus!

Cross Section

(Continued from page 3)
ever, is keeping the Slipstick writer in line.

Sports is a unique department on a college newspaper. This division is somewhat aloof from the rest of the staff by necessity, since the sports writers are always out somewhere watching a basketball game when everybody else is working. However, the "under fire" writing done by the sports staff to meet deadlines provides some of the most valuable training to be had on the paper.

Mulligan Stew

Through the years some groups have accused *Technology News* of being a small clique of students not representing the student viewpoint. Right now the entire staff from the distribution crew right up through rewrite men, business solicitors, and secretaries to the Managing board represent every different nationality, political belief and age (17 to 33) imaginable.

Because *Technology News* is manned by this complex mixture of students, it more accurately presents the true picture of campus affairs.

Phi Lambda Upsilon Honors 7 Students

Phi Lambda Upsilon, national honorary chemical fraternity, initiated seven new members into its ranks from this campus on January 11.

Two men, John J. Gilmar and Milton Burkhart, are graduate students working for their masters degree in MetE. Edward N. Walsh, Chem, and William V. Garner, ChE, are in their eighth term; William H. Rader, ChE, was the only seventh term man, and the sixth term men were Louis L. Czyzewski and Roland L. Menzl, both ChE's.

A banquet was held for these men at the Chicago Swedish club following the initiation.



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A DRAMATECH PRESENTATION

Techawks Seek Revenge Against U Of C

Cagers Will Be At Season's Peak Wednesday

Bergstrom Leads Team Against Maroons; Tops Scorers For Season

By Jim Wangersheim

Famous last words . . . "Revenge, oh sweet revenge", or "Wait'll we get a hold of you on our home court."

Coach Ed Glancy's boys are hoping those will be more than just famous last words, when the University of Chicago Maroons move into the Tech gymnasium Wednesday afternoon for their second match of the season. The Techawks bowed to the Chicago quintet on their home court earlier in the season by a score of 57-42. Forward John Sharp of the Midway boys was just that, as he dropped in 16 points.

However, since that date, the Illinois Tech squad has hitched four victories under their belt, while the Maroons have not again dropped the little ball through the hoop at a greater rate than their opponents.

Another noticeable fact is the case of the George Williams college series where the Techawks were easy prey for the Changers on their home floor, 46-34, but came back strong to down the same team on the Tech floor, 48-37, just one month later.

Taking these records into consideration, it begins to look like these might be more than just . . . famous last words.

Win On Foreign Court

In notching their fourth victory of the season, the cagers journeyed to the University of Illinois at Navy Pier, where, with the aid of center Carl Bergstrom's usual 12 points, they downed the Chi-Ilini 44-32. Rather than the result of a controlled offense, this score represents an off night for both teams, as each missed shots badly.

A temporary two game winning streak was made possible by the previously mentioned 48-37 win over George Williams, but this skein was broken when they again journeyed to Lake Forest. This 47-34 defeat was probably the worst game of the season.

Techawks Try Big-Time

During the vacation period, Coach Glancy took the team to Davenport, Iowa, where they fell victim to a tough St. Ambrose squad. The 76-37 score is easily understood, since this same St. Ambrose team gave the high flying Billkens of St. Louis university a good scare on their home court just a few days before the Techhawk contest. At this writing, the St. Louis Bills rank as the number one cage team in the midwest.

Just to add insult to injury, and kick a poor man while he's down, Illinois Tech too must declare athletes ineligible. As it looks right now, the cagers stand to lose at least four.

Center Carl Bergstrom still leads the scoring parade. Up to the St. Ambrose game, he had burned 133 points through the hoop. Carl Matson follows closely with a respectable 115, while Bob Leiser with 93, Bill Smart with 88, and John Mikota with 77 round out the top five.

Complete list of Techhawk scoring is:

Carl Bergstrom	133
Carl Matson	115
Bob Leiser	93
Bill Smart	88
John Mikota	77
Phil Urasky	77
John Fleck	72
Harry Carlson	69
Edmond Burke	60
Charles Swanson	55
Charles Fahry	47
Bruce Tennant	42
Sherman Roberts	32



CARL BERGSTROM, 6 foot 3 inch Techhawk center poises with the one hand push that has helped him rack up an average of 10 points per game.

Freshmen Basketeers Play Good Ball

By Wang Schyman

Although they are an integral part of the varsity, the Illinois Tech Freshman team as a team, has been shoved into virtual non-existence due to the more or less heroic deeds performed by the varsity.

However, if it were to come out, the Frosh squad has authored some pretty good brand of basketball, and if the two were to tangle, this writer's dough would be on the nose of the Freshman.

Paced by Bob Leiser, who has averaged about 12 points per game, the frosh have split even in contests with Herzl junior college, Morgan Park junior college, Columbia college, and the DePaul and Loyola freshman teams.

In the most exciting tilt played in the new gymnasium, they eked out a 59-55 overtime victory against Morgan Park junior college. Typical of most of their games, the scoring was done by Leiser who hit 15, John Mikota with 11, Bob Krafft with 7, Joe Bass with 7, and Bruce Tennant and Sherman Roberts with 4 apiece.

Mel Timmons, Chuck Fahry, Paul Peterson, Jack Merrill, Ron McClain, and Roger Kiely, complete the list of other squad members. Remember those names, because next year, they too will play varsity ball.

Breeze by Shooting Sutton

The advent of a new semester brings fresh opportunities to those scholars who have an athletic bent. The spring calendar is filled with opportunities for intercollegiate and intramural competition.

All Freshmen Urged To Participate In Intramurals

By Larry Shapiro

Intramurals offer a variety of sports to the incoming freshman. Frosh that want to enter the current volleyball and basketball tourneys may still do so if the team captain contacts Ed Glancy before Wednesday. Both tourneys are being run as "round robin."

Softball play will begin as soon as weather permits and will run to the end of the current term. Other spring events are the track meet, usually held during Junior Week, and tennis and golf tournaments tentatively planned for May.

Whiz Kids Reorganize

At the close of last term wide-open races existed in the four divisions of the basketball league with seven teams still undefeated. However, the Whiz Kids currently heading the "B" section with four wins, are losing most of their players (they are co-ops) and will have to be reorganized. The undefeated Senior Mech team, tied for the division "A" league, has withdrawn because all of its members have graduated.

The Gremlin Maulers were keeping pace with the Wrong Guys in division "D", each holding three victories with no defeats, while the Soph FPE's won twice during the last week of play to tie the Wolves for the "C" division league lead.

The CE Soph's completed the list of unbeaten squads with two victories and held the "A" division lead.

Gleason Leads Scorers

Tom Gleason of the Frosh Flashes and Fred Woeller of the Wolves are battling for the scoring title, with Gleason leading by five points. Woeller won the scoring crown last season.

The volleyball leaders are the Civil 48er's, Civil Eng Reds, and Grad House with 1-0; Chem Grads 3-1; Sr Archs 5-2; and the Schmoe's 2-1.

The top ten scorers are:

Player	Team	TP	Av.
Gleason	Flashes	41	12.6
Woeller	Wolves	36	12.0
Timmons	Gremlin Maulers	32	10.6
Jennings	Wolves	31	10.3
Martman	Gremlin Maulers	30	10.0
Kalser	Soph FPE	29	9.7
O'Connell	Sr Mechs	28	14.0
Cohn	Sr Mechs	27	12.5
Pahl	Whiz Kids	26	8.5
Sachs	Chem Grads	24	8.0

Speedsters Look Forward To Big Outdoor Season

By Bill Furlong

A sliver of optimism for the coming track season broke through the perennially pessimistic outlook of Coach Roy McCauley last week.

Despite the fact that the 33-man squad boasts only two returning lettermen, McCauley feels that the coming campaign holds brighter prospects than last year. He admits, grudgingly, that the team may even display "great improvement."

A quadrangular meet—involving Loyola, University of Chicago, De Paul, and Illinois Tech—will launch the season at 2 p.m. Saturday in the University of Chicago fieldhouse, 56th street and University avenue. The team will then see action for five consecutive weeks after the initial meet.

Indoor Prospects Low

In contrast to the dismal season which the cinder men experienced last year, McCauley hopes to win more than half of the five dual meets and turn in creditable performances in the multiple-school clashes. A lack of training facilities has shackled preparations for the indoor season, however.

"If we were facing our competition of Saturday on the last day of the outdoor season instead of the first day of the indoor season, we'd put on a good show," says McCauley.

Harrison Is Ironman

Versatile Arne Harrison, one of the returning lettermen, is expected to shoulder most of the burden. He was high-point man last year, capping a brilliant individual season by notching 27½ points in a dual meet with DePaul.

Co-captain of the team, Harrison will concentrate on the broad jump and the hurdles, in addition to holding a leg on the mile relay quartet. Undoubtedly he will eventually be called upon to compete in the dashes, the 440-yard run, the shot put, and the javelin.

(See TRACK TEAM on page 7)



On the intramural front basketball and volleyball are still running. Later there will be tourneys in track, tennis, golf and softball.

The biggest event of the IIT athletic year is the running of the Illinois Tech Relays. This year they are scheduled for Saturday, March 13, in the University of Chicago fieldhouse.

Perhaps of more importance is the inauguration of the unnamed athletic conference. Competition this year will be limited to baseball. The Techawks are hoping to get off to a good start within the conference by winning the diamond championship.

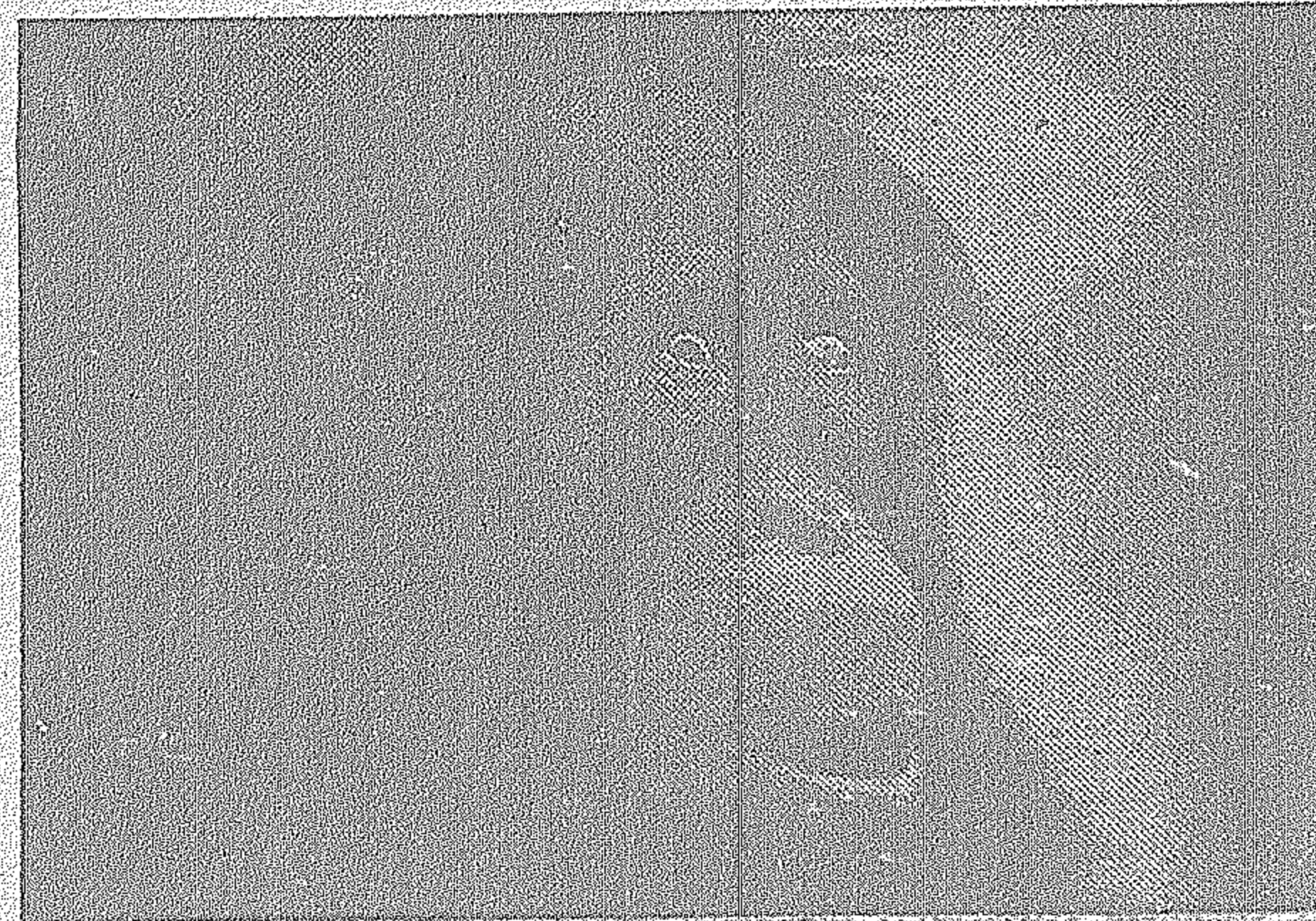
Notes Off The Cuff

Dennis O'Geary, who played on the basketball and baseball teams last year, has settled down with his bride in Waverly, Virginia where he works for the state highway department.

The return of Joe Hardman to sunny California is to be regretted. Joe, who ranks as a Techhawk all-time athletic great, is a gentleman of friendly nature who will be missed by all of those who knew him. It is sincerely hoped that circumstances will permit his coming back to IIT next September.

Bill Maier is struggling along with the swimming team in spite of a painful back injury that has the doctors puzzled.

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Swimmers Lose To DePaul

By Cliff Nelsen

The Techawk swimming team came out on the short end of a 53-22 score in their meet January 9 with DePaul university, held at the Valentine Boy's club pool.

This loss could be construed as somewhat of an upset since the Tech swimmers trounced DePaul last season 69-6. It seems that DePaul has obtained since last season several good tankmen via the scholarship route. However the meet was much closer than the score would indicate as many of the races were touch and go. The Techawks did not seem to have the all around power that was demonstrated by DePaul.

Hardman and Hellmer Win

Our tankers showed their main strength in the breaststroke and fancy diving events. Dependable Joe Hardman and Ernie Hellmer took first and second places respectively in the breaststroke while Ray Klitzke took top honors in the fancy diving event. Hardman and Klitzke are both undefeated this season and have proven to be the mainstays of the team.

Jack Madsen missed winning by inches as he came in third in the 60 and 100 yard freestyle events. Joe Peters picked up a second place in the 220 and 440 yard free style while Kirby Strickland took second in the backstroke.

Hardman Leaves School

Prospects for the rest of the season are dim due to the loss of Joe Hardman, veteran tanker, who is leaving IIT. Hardman, who holds several AAU records from junior college and high school has been a consistent winner in the breaststroke event. In fact, those in the know cannot remember when Joe has lost a race. His leaving will strongly affect the team.

On February 18 the tankmen will journey to Greencastle, Indiana, where they will meet DePaul university for their next meet. Last season's meet with De Pauw was a closely contested one and keen competition can be expected in this meeting. The squad then travels to Detroit to swim against the University of Detroit.

Schedule of meets for the spring semester:

- February 18
DePaul university, Greencastle, Indiana
- February 21
University of Detroit, Detroit, Michigan
- February 27
DePaul university, 3400 S. Emerald, 7 p.m.
- March 5
DePaul university, 3945 N. Springfield, 4:30 p.m.
- March 10
Navy Pier, 3400 S. Emerald, 7 p.m.
- March 12
Loyola university, 6525 Sheridan road, 4 p.m.
- March 19-20
Central Collegiate, Michigan State college Conference meet

Wrestlers Elect Paul Schermeister Captain

The wrestling team broke away from their mats long enough to elect Paul Schermeister, junior EE, captain for the season. Paul has won his first four matches.

On Friday the matmen play host to the CYO in our gymnasium. As usual, the CYO team rates as one of the better squads in Illinois. Notices will be posted later as to the time of the meet. Those attending may expect the usual thrill-packed contests; for unlike professional "exhibitions," amateur wrestling is run according to NCAA rules. With only nine minutes as a time limit, the boys go right to work, thus providing a fast-moving show for the spectator.

So far the team has wrestled Bradley, University of Chicago, and Navy Pier (twice). In the last meet, held at Navy Pier, each team took four bouts but the Pier scored a 20-12 victory, as they won their bouts on pins while IIT won its bouts on points. Looking ahead, after CYO, the grapplers travel to the Wheaton Invitational tourney on February 28, and the Case National tournament in Cleveland on March 12 and 13.

Sports Personality Of The Week

By Ed Jennings

Paul Schermeister is one fellow who specializes in giving his opposition a rough time on the mats. Recently elected captain of the Techawk wrestlers, this amiable 175 pounder has demonstrated his right to that title by winning four decisions while losing none. Two of these victories came on pins against Bradley and Navy Pier and two on points against Navy Pier and the University of Chicago.

Paul spent his high school days at Proviso Township high school where he played football and won a major letter in wrestling. After graduation he entered the navy radio technician program. After spending two years in various schools all over the country he was transferred to the V-12 program where he picked up many credits applicable to his electrical engineering course here.

After his discharge, Paul entered Illinois Tech's night school and after a year of nocturnal classes transferred to the day school as an EE major where he is now a junior. After getting his degree he wants to enter the field of industrial electronics.

Paul lists as a special thrill his victory in the Bradley meet—the only one scored by the Techawk wrestlers in that contest.

Track Team Prospects Look Good For Outdoor Season

(Continued from page 6)

Flanking Harrison as pace-setter for the team is Co-captain Ben Sutton. A veteran quarter-miler, Sutton is the only other returning letterman. Walter Conniff, a sophomore, and Don McKee will spell Sutton in the 440-yard dash.

Ken Turner is the brightest hope in the dashes although E. H. Smith and freshman Hollis Freeman have shown promise. Milt Cox, a product of the always-potent Oak Park high school track team, is expected to fill a big gap in the high and low hurdles along with Dave Miller.

A flock of veterans bolster the distance field. Jim Sauer has turned in the best time in the half-mile. Picking up the slack are Bill Cahill, with two campaigns behind him, and Wes Davis, a comparative newcomer.

The mile grind depends largely on Rich Durand, plus Charley Mattes, Davis and Owen Dykema, a freshman. All have displayed potentialities in practice. Both Durand and Dykema will be paired in the two-mile run.

Prospects for the field events are; Willis Blackmore in the pole vault, Dick Eberhardt and Jim Machen in the shot-put; Harrison in the broad jump and John Holland and Cox in the high jump.

Indoor Schedule

February 21—University of Chicago,

Loyola, DePaul; at University of Chicago fieldhouse.

February 28—North Central college, Loyola university; at North Central fieldhouse, Naperville, Illinois.

March 6—North Central college Invitational relays; at North Central fieldhouse, Naperville, Illinois.

Rings Coming

Ring orders will be solicited from seniors in the June, '48 class in the first week of March.

March 13—Illinois Tech relays; at University of Chicago fieldhouse.

March 20—Wayne university; at University of Chicago fieldhouse.

March 27—Rose Polytechnic institute, Morton junior college; at University of Chicago fieldhouse.

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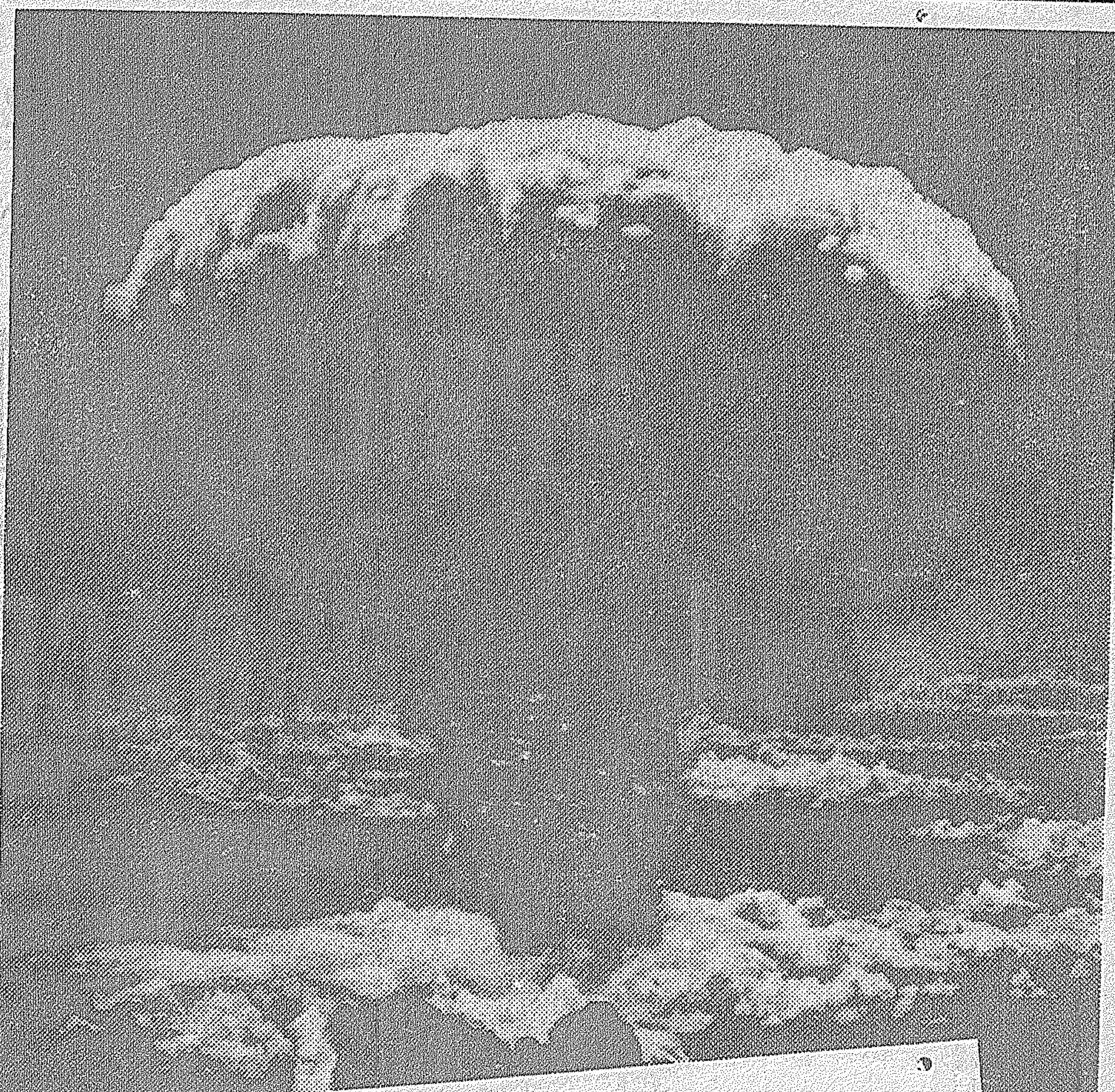
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New Dial Phone System Provides Information And Paging Services

A dial telephone system has been installed on campus by the Illinois Bell Telephone company. This system combines the previous four manually-operated switchboards into one that is automatic, utilizes three positions, serves the 375 phones installed on campus at present, and is equivalent to nine manually-operated boards.

The new board possesses 48 trunk lines—24 for incoming calls and 24 for outgoing local calls. This means that 48 calls may be handled at the same time.

Continuous Service Provided

Inter-office calls may be made 24 hours a day while outgoing toll calls can be made only on phones having night connections after the switchboard is closed. Present switchboard hours are from 8 a.m. to 8 p.m. daily and from 8 a.m. to 5 p.m. on Saturdays.

Of interest to both faculty members and officers of campus organizations and activities is a telepage and information service. This service was conceived and developed by Justus H. Schlichting of the Armour Research Foundation, and is located in the basement of the Metallurgy (MC) building. Paging service is available only to the ARF at present, but information service may be used by all.

Personnel Directory Available

The information service may be reached by dialing 581 on any of the campus phones. There is available here a complete and up-to-date personnel directory and a large amount of general information about campus activities both present and future.

It is hoped that students and faculty members will make use of this service and help make it a success by notifying the operators there of activities on campus both social and academic, which might possibly involve phone calls as soon as plans for these activities are formulated, and of any subsequent changes in these plans.

Paging Directions Complicated

To page some person on campus, dial 581, give the operator the name of the person you want, the extension from which you are calling and wait. However, if you yourself are being paged, pick up the nearest phone, dial 581, give the operator your name, and she will tell you who is calling you and his extension number. In the meantime, she will call the party paging you, tell him that you have answered and request that he hang up and wait for your call.

Area Increased

(Continued from page 1)

Clocks Work

Electricity will be supplied to these buildings from the new central transformer station. The auxiliary unit used for the chemistry building has been retired, and electrical synchronization of the new buildings completed. The clocks in the new buildings have now been started and will now give the correct time instead of remaining at 7:59 from 8:00 to 5:00.

Both buildings will be heated by water, which is heated by steam from the central steam plant. The Chemistry building is to be heated by a standard system of radiators.

Two Systems Used

On the other hand, the Metallurgy building has two systems for heating. The halls will be heated by hot air from a central blower located on the second floor. The blower system will also be useful in the summer to circulate the air in the building and help to keep it comfortable.

Management Honorary Elects New Officers

Sigma Iota Epsilon, national honorary management fraternity, recently elected the following campus officers: Milton F. Searl, president; Robert S. Hamilton, vice-president; and Robert L. Mullen, secretary-treasurer.

IT'S ROBBERY! BUT LEE SCHLESINGER PROVED TO BE TOO FAST! SEE PAGE ONE, COLUMN THREE.

Students To Enjoy FM Music While Eating

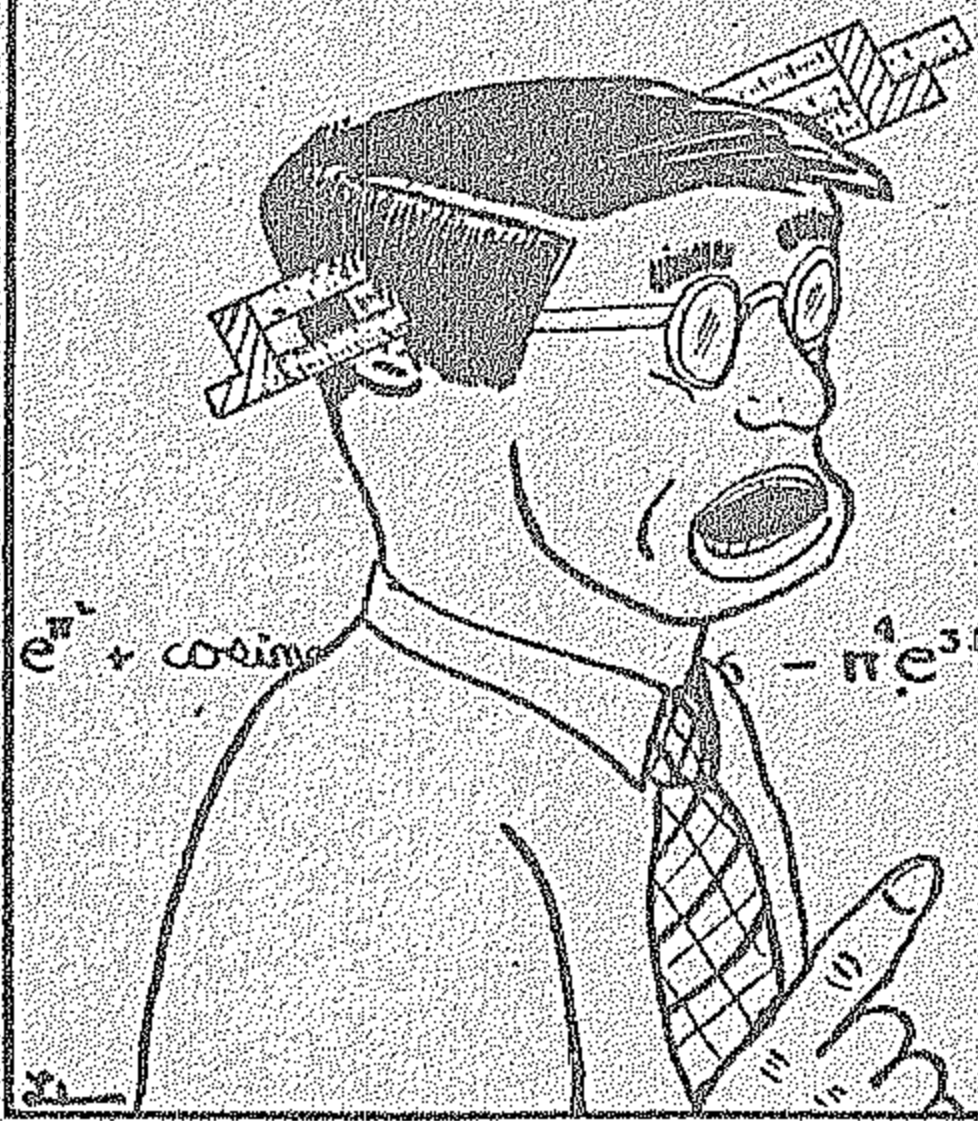
Earl Waller, vice president of Rho Epsilon, indicated to a *Technology News* reporter that the South Union cafeteria and lounge will be furnished with FM music within the week.

The call system, which will shortly be wired to the North Union cafeteria, is now ready for use in the South Union by students wishing to make announcements. Such announcements must first be approved by Dean White's office.

Future service of the system, providing music and announcements during most of the day, will be under the direction of ITSA, in whose office the hi-fidelity amplifying equipment is located.

Other equipment, the funds for which were appropriated by ITSA, include four twelve inch conical cone type loud speakers. These will supplement the three speakers used in the North Union.

... NOW, THIS ONE CAN BE WORKED INSIDE YOUR HEAD ...



Marshall Plan Causes Postponement Of Talk

Dr. Carl J. Friedrich, scheduled to speak at an all-school assembly on January 20, was forced to cancel his engagement due to his being called to Washington as a consultant on special aspects of the Marshall Plan.

However, Dr. Friedrich will return to Illinois Tech on February 27 to give his talk on "European Reconstruction and a Democratic World Order".

Classes will be excused for the all-school assembly.

Freshmen Given Visual Examinations As Part Of New Registration Procedure

Screening tests to aid students in determining their visual abilities for college work were administered free of charge to all incoming freshmen during registration week.

The tests given were only preliminary examinations and must be finished sometime during the coming two weeks. Appointments were made by the students to facilitate the completion of the tests.

Results of the screening tests will be given to Dr. Charles J. Smith, medical adviser of IIT, who will recommend a complete visual analysis for needy students. Comprehensive tests will then be given at the downtown offices of the Northern Illinois College of Optometry, which has entered into a cooperative arrangement with Illinois Tech for the purpose of conducting and evaluating the tests.

Finally, Dr. Smith will confer with students as to the results of the comprehensive tests; and those students needing special attention will be referred to their family optometrists.

Results of the screening tests will be tabulated and investigated by the psychology department under the direction of Professors Shurrager and Kerr who are conducting research on the use of optical instruments and the results of corrected and non-corrected defective vision on students' college progress.

Marlys Hewitt, Betty Duke Will Head ACS

In the recent election held by the student affiliate of the American Chemical society, the following officers were chosen: Marlys Hewitt, president; Betty Duke, vice president; Constantine Katsaros, secretary; Seymour Patinkin, treasurer; and Marshall Newcome, historian.

An Outstanding Student Activity
MUSICAL CLUBS
Glee Club — Orchestra — Concert Band

Miss Your Dinner (if you have to)

Miss Your Date (if you must)

— but don't miss ...

THE NEWEST, MOST THRILLING TALENT HUNT IN AMERICA
INCLUDING TOP STARS FROM THE COLLEGES...

"PHILIP MORRIS NIGHT WITH HORACE HEIDT"



• Every Sunday Night Over NBC, PHILIP MORRIS FINDS A STAR in a search for the great stars of tomorrow. Performers from all over the country ... including the top talent picked from the colleges! Music, drama, thrilling entertainment... weekly prizes of \$250 ... and to the winner of the year — movie and radio contracts, plus a grand prize of \$5000 in cash!

Yes! For perfect listening, make a date for Sunday night and hear the stars of tomorrow with PHILIP MORRIS! And for perfect smoking...today, tomorrow, always...light up a PHILIP MORRIS, America's FINEST Cigarette!

BE WITH US EVERY SUNDAY NIGHT OVER NBC...UNTIL THEN

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Techmen Talk

By Eugene Stanley

QUESTION: What do you think of grading large classes on a curve?

Milton F. Searl, Junior BE:

"I think in large classes that the curve should be used as the lower limit of the grades with the instructor being free to raise various grades above this minimum if he feels that the curve is unrepresentative."

perfect solution for grading it is the students' only protection against incompetent instructors and poorly written exams. It must be remembered that while most of our instructors are technically capable, a great many of them have had no training in teaching methods or examination construction."

J. C. Braet, Freshman ME:

"Large classes should be graded on a curve because in a large class you get a good representation or cross section. This system would certainly not work for a small class. By grading on a curve it is possible to have everyone on an equal basis. It is also possible to give a tougher test which will more closely determine what the students have actually learned by separating those students at the high end of the grading scale. On an easy test there might conceivably be a number of perfect papers. This would give very little indication of the abilities of these higher students. If the test were tough, however, there might not be any perfect papers and the range of grades would be increased."

Robert Miller, Freshman ChE:

"I think the only way you can grade a large class is on a curve

since the student doesn't get any individual instruction from the professor. Unless he has a quiz class, the few tests a student has through the year are the only indications

of his progress in the class. In general the scale of grades for classes varies greatly not only among different instructors but from semester to semester. Therefore, it would only be just to grade each class as a unit and give a person his mark in accordance with his position in the class."

R. C. Elliott, Junior ME:

"It is impossible for a teacher of a large group to know the proficiency of each individual except through examinations."

"Grading large classes on the basis of a curve gives the instructor what is probably the fairest method of determining the student's relative position in a group."

"This method may fail in small classes where an even distribution of abilities is not present."

Student Planners, Led By Ed Zietz, Lay Foundation For '48 Junior Week

By Saul Needleman

Plans for what is promised to be one of the largest Junior Week programs in many years are now being formulated by newly appointed committees under the direction of Ed Zietz, student chairman of Junior Week.

The tentative program, embodying many of the traditional features such as the baby contest and turtle race, will be interlaced with a number of new events. April 21, 22, and 23 have been declared the days for Junior Week this semester and, as in previous years, no classes will be held during this time.

Doering Handles Open House

The Open House, Publicity, and Business committees, handled by John Doering, Shirley Langill, and Jean Rasmussen respectively, are working in conjunction with the faculty committees to increase student and departmental interest on the campus and to coordinate the best benefits of the administration and student body into a program which everyone will enjoy.

Deviating from the methods used in past programs, the committees are adopting a new set of working rules for running the Junior Week festivities. This year various events will run simultaneously at different locations on the campus giving the Junior Week program a "three-ring circus" effect. The interfraternity pageant and sing will be modernized and run under a new system. The Alumni association will sponsor a nickelodeon show.

Display Awards

Voting for the Man and Woman of the Year will be held early in the semester to facilitate the inclusion of their pictures in the forthcoming issue of the Integral. The two students elected will reign as King and Queen of Junior Week and will be honorary judges in all contests held. Awards for the various contests are being obtained by Jack Castiglia and will be on display in the South Union lounge before and during Junior Week.

Lithographed programs and Alpha Phi Omega—sponsored guides will be available for students, their parents, and friends during the festivities.

Mech Dept. Edits ASME Publication

The first issue of "Applied Mechanics Reviews," a magazine sponsored and published by the ASME and edited by the applied mechanics division of Illinois Tech's mechanics department, appeared last week.

The magazine contains reviews of articles on applied mechanics from all over the world, written by 350 reviewers in many countries.

Subscriptions can be arranged for in the office of Dr. L. H. Donnell, editor, in room 130B.

Move To Kill Club Conflicts

The Student Coordinating Council, new "organization's organization" on campus, will hold its first meeting Thursday.

The purpose of this group is to coordinate the meetings of the different campus organizations so that a student may be active in a number of clubs without incurring conflicts in meeting times.

Besides coordinating activities, it is planned that this group will also be able to aid in the scheduling of social activities, so that school dances will be spread evenly throughout the semester.

A bulletin board large enough to hold notices of all meetings and events is also being planned.

Letters have been sent to the presidents of 60 school organizations notifying them of the group's first meeting.

CE Profs Attend Annual Conference In Joliet

Three members of the Institute's civil engineering department, Prof. John C. Penn, John Butkus, and C. G. Peller, attended the annual meeting of the Illinois Society of Professional Engineers in Joliet during the vacation.

The chief business of the meeting was election of officers and professional talks.

Call For Players

First call for pitching and catching candidates for the varsity baseball squad will be at 4 p.m. February 19. Candidates for all infield and outfield posts are to report on March 1.

This will be the first opportunity for Coach Ed Glancy to see his squad and all prospects will be welcomed.

The Techawks open with the University of Chicago April 19 and clash with Chicago Teachers college, their first conference opponent, May 1.

Save Time with VAN DYKE Chisel Point Leads

With Chisel Point "Van Dyke" leads, you get 20% longer lines of unvarying width...save 20% more time between sharpenings. These exclusive pre-shaped, rectangular leads write with the same Microtomic smoothness as round HI-DENSITY "Van Dyke" leads.

CHISEL POINT LEADS

EXCLUSIVE
CHISEL POINT
LEADS

Chisel Point leads in degrees: 4B, 2B, HB, 2H, 4H, 6H.

Round leads from 9H to 7B.

EBERHARD FABER

DU PONT Digest

For Students of Science and Engineering

Weaving of nylon yarn required the development of special sizing material

Problem solved by Du Pont men with many types of training

Each new product that is created in the laboratory seems to bring with it a new set of problems to challenge the ingenuity of the scientist. An outstanding instance of this is nylon. To make practicable the weaving of nylon into textiles, it was necessary to develop an entirely new slasher sizing material—a coating to make the filaments adhere to one another, protect the yarn from abrasion and keep it clean. Sizes used on other fibers proved unsatisfactory on nylon, because of its unique chemical composition.

Five candidates were exhaustively tested by Du Pont men. Best by far proved to be polymethacrylic acid (PMA), $[\text{CH}_2-\text{C}(\text{CH}_3)\text{COOH}]_n$, possibly because its acidic nature is favorable to hydrogen bonding with the polyamide structure of nylon.

Many technical problems involved

(1) After weaving, sizing has to be removed by water. PMA dissolves in water readily up to 10% at room temperatures, but precipitates between 70-80°C. A way had to be found to prevent precipitation at the normal scouring temperature of 100°C.

(2) PMA sets to a brittle, glassy material on fibers, giving a harsh wrap. Suitable plasticizers such as sulfonated vegetable and mineral oils, glycols and other polyhydric alcohols had to be found to correct this condition and permit stretching and flexing of the yarn without film impairment.

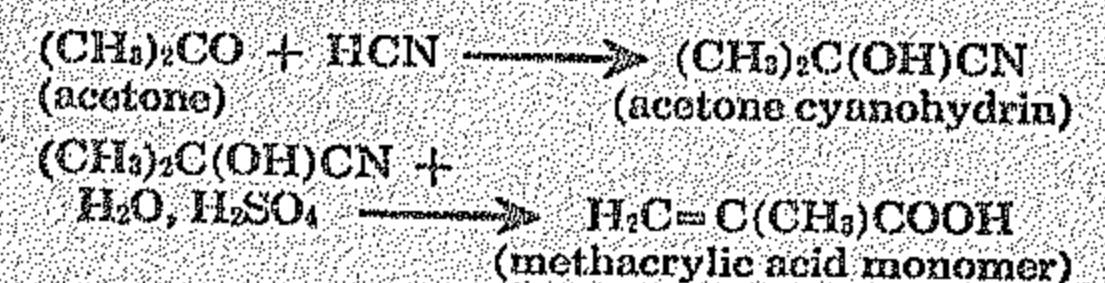
(3) Good dispersing agents were necessary so that the powdered PMA would not agglomerate as it dissolved in the sizing bath.



G. W. Fassett, B.S. in Chemistry, Augustana '36, and W. A. Franta, M.S. in Chemical Engineering, North Dakota '34, inspect woven fabric made from PMA sized nylon warp in Du Pont Experimental Weaving Laboratory.

(4) Optimum concentrations of PMA and the various plasticizers had to be determined, and application temperatures worked out for the different types of fabrics (satins, twills, taffetas, etc.) to be sized.

The basic reactions involved in making methacrylic acid monomer are straightforward:



But several technical difficulties in the manufacture of the polymer had to be overcome:

(1) The distillation of the monomer has to be controlled carefully to keep it from polymerizing in the still head.

(2) The monomer must be obtained free of any color-forming impurities that might cause permanent discoloration of the fabric by the final polymer solution.

(3) Polymerization of the monomer must be carefully regulated to get reproducible results and constant molecular weight. This is important because the molecular weight of the PMA determines the viscosity of the size.

(4) Drying the polymer presented unusual difficulties. A special study was made to find an economical drying process that would give a uniform, finely divided product adapted to rapid solution.

Credit for the development of PMA textile sizing, is shared by Du Pont men with many types of training—chemists, physicists, chemical engineers and textile experts, as well as the technical service men who worked in close cooperation with leading textile manufacturers during commercial trials.

Questions College Men ask about working with Du Pont

Where would my job be?

Openings for technical graduates may exist in any one of the 38 Du Pont research laboratories or 85 manufacturing plants. Every effort is made to place men in positions for which they are best suited and in the section of the country which they prefer. Write for booklet, "The Du Pont Company and the College Graduate," 2521-B Nemours Building, Wilmington 98, Delaware.

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BETTER THINGS FOR BETTER LIVING
...THROUGH CHEMISTRY

More facts about Du Pont—Listen to "Cavalcade of America," Mondays, 7 P.M., CST on NBC

Join The
MUSICAL CLUBS
If You Sing or Play
An Instrument

J. M. Griffing, Ph.D. (Organic), Columbia '45, and A. Descheemaeker, B.S. in Chemical Engineering, Lehigh '41, inspect PMA size solution and check nylon warp at head end of a slasher. In slasher sizing, entire warp is coated rather than a single thread.

New Magazine Goes On Sale

Collegiate magazine, the "college market facsimile of Time magazine," will go on sale in the book store Wednesday.

This new magazine, started by seven college students from the Chicago area, now appears on 120 campuses in eight Middle Western states.

Illinois Tech is represented on the Collegiate staff in the persons of Jim Wangersheim, associate sports editor, and Joe Lucas, photography editor.

The widespread coverage of the magazine includes sports, fiction, amusements, fashions, jazz, books, records, and travel, as well as articles on current collegiate news topics.

Each issue a "Collegiate Cinderella Girl of the Month" will be chosen. Not only will her lovely features grace the cover of Collegiate magazine but there will also be a series of pictures of her run on the inside.

A set of pictures of some Middle Western college will also be run in each issue. Illinois Tech will be honored in this way in a forthcoming issue.

At present Collegiate's sports staff is busy choosing an all Midwest basketball team.

EE Profs Graded By Student Survey

Opportunity to evaluate the qualities and abilities of their instructors was given to all EE students at the close of last semester.

Sponsored by Eta Kappa Nu, honorary electrical engineering fraternity, the survey arose from the desire of a number of the organization's graduating members "to keep the department's reputation on its present high plane."

Full co-operation was given the project by Dr. Edwin R. Whitehead, director of the electrical engineering department, in the belief that the college student has a mature sense of judgement.

Included in the comprehensive survey were queries on the instructor's preparation of lessons, knowledge of material, willingness to answer questions, personal traits, and other topics.

Cafeteria

(Continued from page 1)

In order to discourage using the cafeteria as a study hall, Mr. Harriman stressed the point that students will not be requested to leave the cafeteria but he asks the students who are not eating to cooperate in making room for those who wish to eat.

Another step in the direction of improving service in the cafeteria is the elimination of staggered hours. Both cafeterias will be open from 7:30 a.m. to 7:30 p.m. If the situation warrants it, the South Union cafeteria will remain open later than the specified time.

TECH TIMETABLE

Items appearing in the Tech timetable are those which have been scheduled with the Dean of Student's office.

WEDNESDAY, FEBRUARY 18

Greater Books foundation, 12:15 p.m., Exec. conf. room
Pan Hellenic council, 5 p.m., Exec. conf. room
Pegis club, 5 p.m., Navy conf. room
Alpha Chi Sigma, 5 p.m., 405M
Newman club, 7:30 p.m., North Union lounge and aud.

THURSDAY, FEBRUARY 19

Co-ordinating council, 11 a.m., Chem. bldg. aud.
IT Vets, 11 a.m., 111C

FRIDAY, FEBRUARY 20

Rifle club, 5 p.m., Rifle range

SATURDAY, FEBRUARY 21

Tau Epsilon Phi, 8 p.m., North Union lounge

TUESDAY, FEBRUARY 24

SAE, 11 a.m., 105C

WEDNESDAY, FEBRUARY 25

Dramatech, 8 p.m., North Union aud.

Tau Epsilon Phi, 6 p.m., South Union lounge

NROTC Unit Goes On Cruise Next Summer

Class groups of Illinois Tech's NROTC unit will go to the west coast for this summer's training cruise. The senior and sophomore classes will be together on one cruise, and the junior class will sail on another.

Tentative plans are for both

cruises to depart from San Francisco about June 26 and proceed to the Hawaiian area. They will return to San Diego to engage in amphibious landing operations and gunnery practice and will disembark at San Francisco about August 21.

Glee Club
Orchestra — Concert Band
JOIN THE MUSICAL CLUBS

A CIGARETTE CAN BE MILD



"The more I smoke
Chesterfields the
more I appreciate
how good they are"

Jack Oakie

STARRING IN
"NORTHWEST STAMPEDE"
AN EAGLE-LION PRODUCTION



WHY I smoke Chesterfield

(FROM A SERIES OF STATEMENTS BY PROMINENT TOBACCO FARMERS)

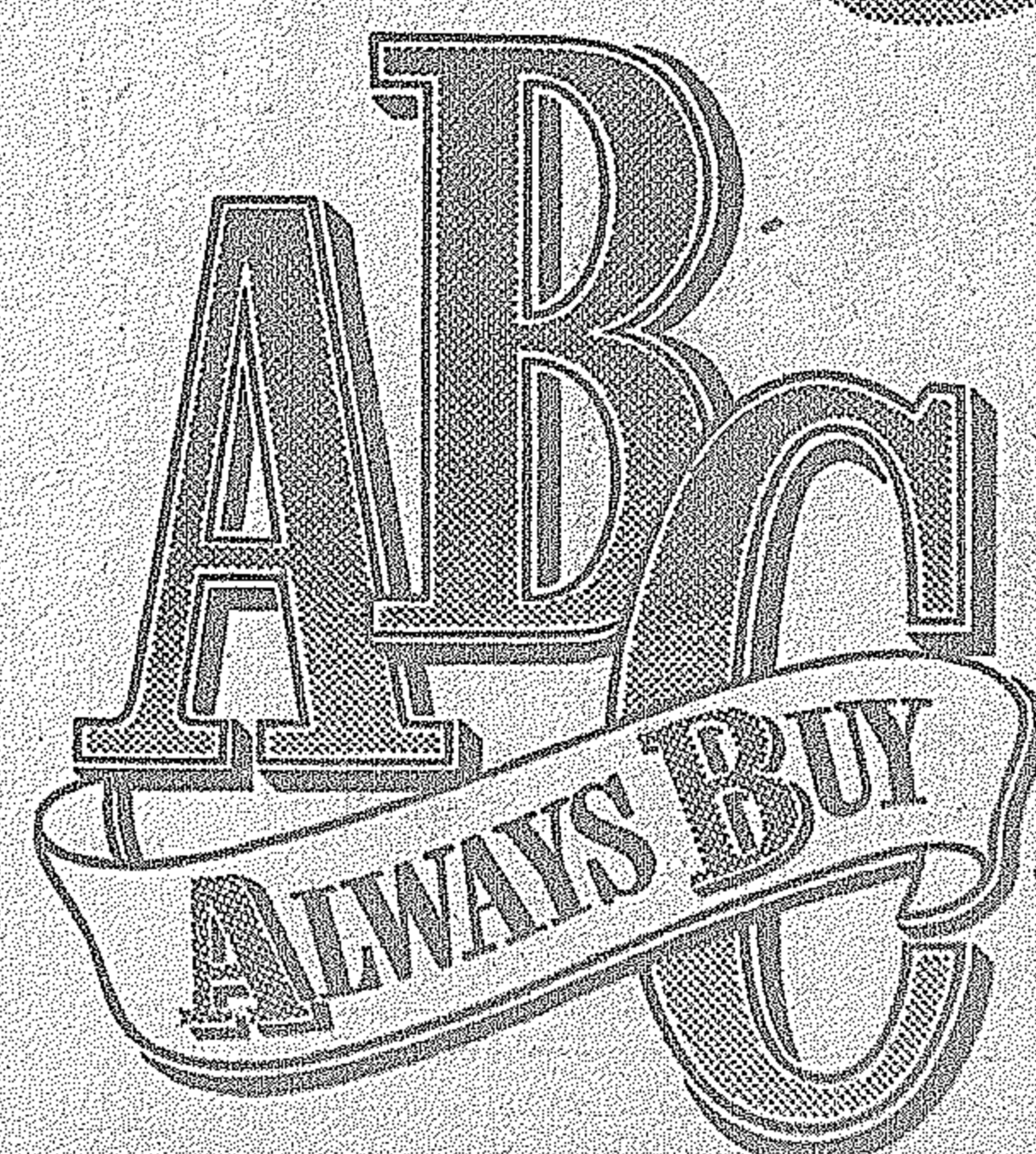
"When I bring my tobacco to market I'm always looking for the Liggett & Myers buyers because I know when I've got real good mild, ripe sweet tobacco they'll pay the top dollar for it."

"I've been smoking Chesterfields for about 25 years. I like their taste and I know the kind of tobacco that's in them."

Arthur Williams

TOBACCO FARMER
GREENVILLE, N. C.

YES - CHESTERFIELDS SMOKE SO MILD -
SO MILD THEY SATISFY MILLIONS -
SO MILD THEY'LL SATISFY YOU.



CHESTERFIELD

ALWAYS Milder BETTER TASTING COOLER SMOKING