

# TECHNOLOGY NEWS

Illinois Institute of Technology, Chicago, Illinois  
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December 3, 1948

## Election furor growing steadily

With election day less than two weeks away, the annual campaign rumpus is rapidly gaining momentum on the Illinois Tech campus.

"It is the election commission's desire to make the job of voting as attractive as possible," said commission president Bob Shuldes, "and for that reason, the new polling place will be in the east auxiliary dining room, adjacent to the lobby of the North student union. This offers a convenient location where we can hold an honest, comfortable, and above all, private election. There will be individual seats for the voters to sit down and think over their candidates. This is in sharp contrast to the confusion which has prevailed in the past."

"Of course, we feel that we unquestionably can give the student body an honest election," added Shuldes, "but the real problem is whether the voters will turn out in big enough numbers to make the election a representative one. It is rather disheartening to think that the best we could ever muster in the past was only 35 per cent. However, with the thought of no confusion and complete privacy in their minds, we hope to draw more than 50 per cent this semester."

The deadline for submitting election petitions to the office of the dean of students is 5 p.m. to-

day. The junior class leads in the number of petitions turned in with 19. The freshmen, sophomore and senior classes follow, in that order. A total of 54 petitions have been turned in.

The senior class, Shuldes said, has three uncontested offices—treasurer, secretary and social chairman.

The election commission is sponsoring a series of all-school assemblies to be held December 14, the day before elections. These are to be four separate class assemblies, held at the same time, 1 p.m., but at different places. Each candidate for a class office will be required to prepare a short talk on whatever subject he desires, to be presented at this time.

Shuldes expressed the thought that the election commission would like to see a little of the old "rah-rah" applied to some of the individual campaigns.

"It is understood," he concluded, "that the success or failure of these assemblies depends entirely upon the amount and participation of the students attending."



KARA KERN WILL be ready when the Illinois Tech Homecoming dance rolls around next Friday. To be held after the IIT—University of Chicago basketball game, the dance is the first in what is hoped will be a traditional series.

## Swish and swing— Twin bill features game and dance

"A double barrel of fun!" that's the attraction of IIT's first Homecoming dance on Friday, December 10. The year's biggest student athletic promotional combines the hot IIT-U. of C. basketball contest and a dance after the game for both the visitors and the home rooters.

John Hayes, dance chairman, announced that the purpose of the affair is to "promote interest in school athletic events." His committee hopes that a homecoming tradition will be inaugurated at IIT as a result.

## Pres. Heald notes Tech problems

The near doubling of enrollment in one year, an inadequate faculty, an extreme shortage of space, and steadily increasing costs have given Illinois Tech some real problems in the postwar years, stated Henry T. Heald, president, at an all-school assembly yesterday.

"Coupled with these problems has been a greatly increased de-



Henry T. Heald

mand for both engineering graduates and research work," commented President Heald. "In attempting to meet these problems we have, in the last several years, increased space about 100 per cent and our faculty a nearly equal amount."

Outlining the difficulties that faced the administration in development of the new campus, President Heald recalled that, not too long ago, expansion started with very little capital. "In fact," he remarked, "our first purchase of new land was made with \$5,000 we had that had been donated for the purpose. Since that time, of course, raising of development funds has become a well organized program, and we now own about 70 acres of the 100 that is marked for the future campus."

After purchase of land parcels, relocation of tenants has proved to be, in many instances, an insurmountable (See HEALD SPEAKS on page 3)

## AIEE will hear Edison engineer

Titus Le Clair, assistant chief electrical engineer for the Commonwealth Edison company, will be the guest speaker at the AIEE meeting Tuesday, in the Metallurgy building auditorium.

His subject will be "The Illinois Law for Professional Engineers and how it affects the student." Mr. Le Clair is former President of the Western Society of Engineers and former vice-President of the AIEE. At present he is a member of the state examining board and as such has had considerable experience with the workings of the law.

The law about which Mr. Le Clair will speak has been in effect for several years. It requires that the individual who desires to obtain a license as a professional engineer pass a state examination. Of particular interest to the student is the fact that part of this examination may be taken while the student is in his senior year.

It is hoped that all members of the Institute will attend, Jim Kogen, AIEE chairman, stated. Cokes and donuts will be served following the meeting.

## Scholarship deadline here

Application for all Institute scholarships and student aids listed in the school bulletin must be completed and returned to the dean of students office by Wednesday.

Forms and information pertaining to these student aids may be obtained from Miss Hagen in the dean of students office in 300 NU.

downbeat for victors and vanquished alike. At intermission time, entertainment by several acts will be offered, emceed by capable glibster Tom Murray.

Students and their "wimmin" will be admitted to the game on their identification cards and to the dance at general admission rates. Dateless men will be heartened to know that women will be imported from St. Lukes, Michael Reese and other local schools to build a bigger and merrier crowd.

Tickets are available from all class officers or from senior class departmental marshals.

## Directories out Monday

Sale of the Illinois Tech directory will begin at 8 a.m. Monday in both the north and south student unions. The directory contains 5,200 listings of students and Institute personnel, including name, address and phone number.

An additional 250 copies were ordered recently, making the number available to students 2,250, but an early sellout of the directory is expected, according to Sherwood Benson, editor of the directory.

To insure an equitable distribution, directories will be sold as long as they last to the first buyers, but if a complete sellout on Monday is indicated, 300 copies will be reserved for downtown and non-Monday students. These will go on sale in both locations Tuesday morning. The sale is limited to Illinois Tech students.

Fifteen hundred copies of the directory have been purchased by the Institute for distribution to its personnel. These will be distributed concurrently with the sales to students.

"We believe we have devised an efficient purchasing system. Two salesmen will be on duty at each booth. With students cooperating by having the exact purchase price ready, no unnecessary delay should be encountered," stated Benson.

This directory is the first of its kind to appear on the Illinois Tech campus. It is a non-profit publication. Revenue from sales and advertising is expected to cover the cost of publication, making it unnecessary to draw any money from the ITSA treasury.

The actual cost of the directory is approximately three times the sales price, Benson said.

The directories contain 132 paper bound pages. They measure 5 by 8 inches and are printed by the planograph process.



HERE'S A TECHAWK who doesn't intend to miss the opening of the Illinois Tech student directory sales at 8 a.m. Monday in the North and South Union lounges. Directories will be available for only three out of five Techawks.

# Engineers' technical skills not enough, say BE profs

James W. Fairchild and William H. Harrison, Jr.  
Instructors in Business and Economics

The movement toward the unionization of engineers very likely has made many an engineering student stop and ask himself: "What does this mean to me?" or "What can I do about it?"

These are not easy questions to answer because the bulk of whatever remedial action is appropriate must be undertaken by management. However, there are several things that the engineers themselves can do. Let us discuss these factors separately.

In the first place, this problem is not isolated to engineers alone. It is part of a mounting wave of discontent that is spreading throughout the ranks of technicians and staff people generally. At least for the moment this unrest is most apparent among the lower echelons of staff people employed in large corporations. They are growing increasingly dissatisfied with what they feel are overly simplified and highly stereotyped jobs.

The truth probably is that many of their jobs are just that. But what can management do? Can it turn the clock back and assign more and more responsibility to its lower ranking technicians? Probably not. The breakdown of skill that has been touched off by the spread of mass production industry cannot be repeated. What management can do is to treat their engineers as if they really regarded them as being professional people.

That sounds simple, but it isn't. It covers a myriad of privileges and compensations that are very real and dear to professional people. These status distinctions are easily overlooked and all too frequently management is completely oblivious to them. The job that management must do is to examine the way in which they are treating their engineers and then improve it.

Secondly, what can engineering students themselves do? Briefly stated, they can broaden their understanding of our industrial civilization. This means they can learn some of the more important social skills that still are at a premium in industry.

In a more concrete manner what do these statements mean? They mean that engineering students can learn more about our adaptive society. Industry, as well as many of our social institutions like the family is constantly changing. It then becomes necessary for the student to understand the di-

rections in which these changes are going. The practical significance of this kind of understanding is that it will give the engineer a clearer picture of what he will be up against when he starts to work on a job.

Over and above this understanding comes the necessity of sharpening his social skills to enhance his own value to his employer. The technical skills of the engineer are still important. But they are no longer enough. They must be supplemented and strengthened with the social skills of dealing with employees.

These social skills certainly should include that of knowing how to introduce technical changes without upsetting the human organization, knowing how to practice consultative supervision, knowing how to invite the participation of employees in an informal manner, and knowing how to get around gracefully in the labyrinths of the informal, human organization of a company.

If engineers can learn and practice these and related social skills, they will do much to enhance their economic value and enlarge their prestige.

Finally, the engineering graduate who is out seeking his first job in industry can take some real pains to reassure himself that he will not be stuck in a blind alley job. This, too, is difficult to determine, particularly before being employed. However, that opportunity for mobility is essential. It is worth taking some pains.

All these things add up to a tough job—both for management and the engineers—but the rewards are there if the effort will be made.

## as I see IT

By DAVE PASIK  
Editor-in-Chief

BEAUTIFUL WOMEN always cause comment. . . . There were quite a few of these gals that I'd like to get gregarious with entered in the last Integral Queen contest, and the conversation about these women is yet flying.

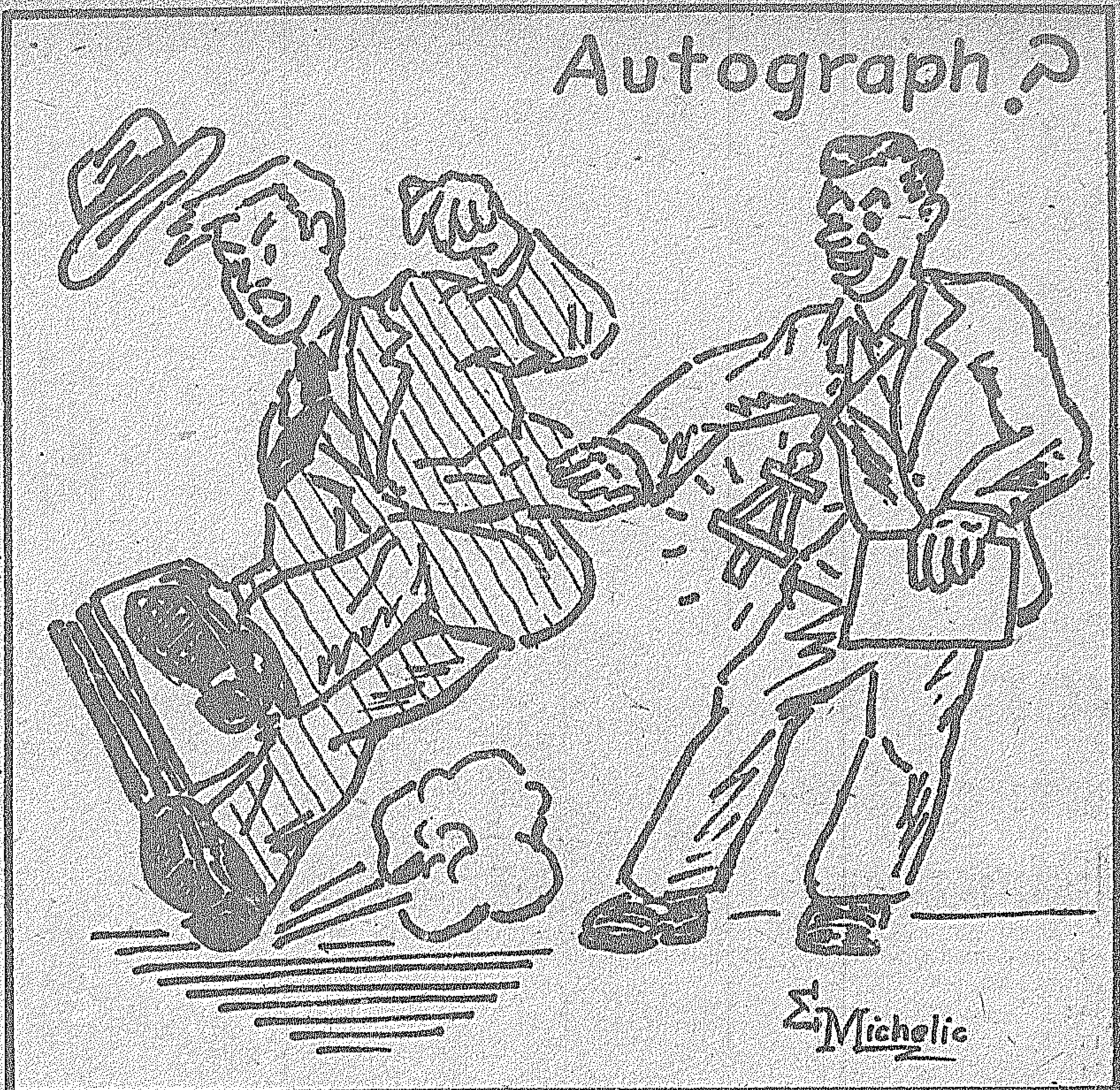
From the standpoint of publicity, the administration would like to see the competition closed to all but Tech coeds. The Tech coeds like this idea too.

I was strictly against this notion, and still am, because we've only got, as of 9 p.m. last night, 108 women on the campus. The Integral Ball is the largest dance we have, this year attracting over 300 couples; every Techawk attending should have the right to enter his queen, regardless of whether or not she's one of our own.

Bob Guthrie, president of the Ball-sponsoring senior class, has said he personally feels that the tradition of an Integral Queen should be done away with altogether, if the affair continues to be an informal one. There's something to that—a queen isn't a queen when she's wearing a short dress.

One thing I'd like to point out, moreover, is the awkward situation which causes the argument to go on and on—the tradition that the Integral Queen is automatically queen of our yearbook. On this matter I'm a diehard. I'm thoroughly happy that the queen in Spike's court will be a coed this year, and I don't want to see any professional models holding down the job in the future.

Since the relation between the Integral and the Integral Ball is one in name only, an adjustment of yearbook policy would, I think, make everyone happy.



## Slipstick

I call my girl "Baseball" because she won't play without a diamond.

The school teacher sent a note to Willie's mother to say that he was positively dirty.

Willie's mother sent back a reply, which said:

"Dere teacher, I knows as Willie's no rose, but I sent him to be teached, not smelled."

The girl that is young and untested,  
Is never the one that's molested;  
But she who is known  
Her oats to have sown  
Is always the one that's requested.

She's the kind of a girl  
this like at look you

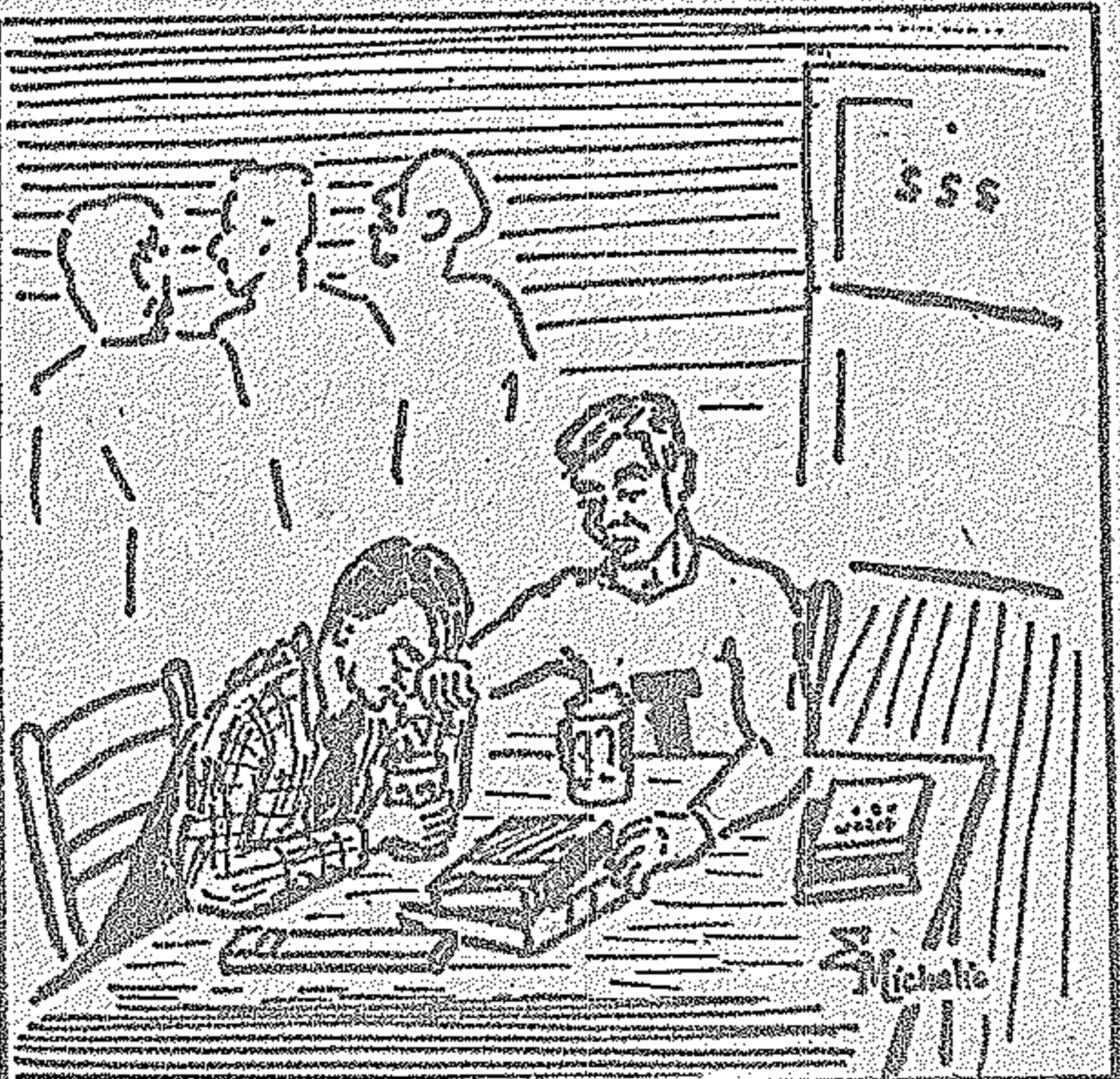
Co-ed: I'll stand on my head or bust.  
Phys. Ed. Instructor: Just stand on your head, we don't expect much.

Football coach: What's the matter with you guys? You look like a bunch of amateurs.

Sammy: I've loved you more than you'll ever know.  
Gal: How dare you take advantage of me when I'm drunk?

A housewife opened her icebox door and spotted a rabbit nestling among the jars.  
"What are you doing in there?" she cried.  
"Well, I knew this was a Westinghouse and I'm just westing," replied the rabbit.

Coed: Oh, dear, I didn't notice where I was going and now I've lost my bearing.  
Frosh: Well, how lucky that I'm a mechanic!



"Don't feel too badly—you can get into Tau Sigma now."

Delt: Come on, take a bath and get cleaned up; I'll get you a date.

Delt pledge (cautiously): Yes, and then suppose you don't?

Carbolic Gas

### Information for Free

## New 'honorary' due on campus

By "Wild" Bill Furlong

A rush that will assume all the gentler proportions of a stampede is expected to take place when the latest in honoraries casts about for its charter members.

That honorary is, naturally, Tau Sigma, the probationary honorary which accepts as members only those bona fide students who have enjoyed at least one term in that old institution—probation. However, it's not a particularly snobbish outfit. Anybody can join, even a man with a 3.0 average, as long as he can present adequate proof that he was on scholastic probation at least once.

Actually Tau Sigma lacks a few items like a constitution, officers and membership. But there are all kinds of wild plans floating about all of which seem entirely logical under the circumstances.

Since keys are a "must" for any fraternity, an impression of the dean of engineering welding an upraised ax over the neck of a student seems appropriate. And pledges might be identified by handing each a world to carry around on his shoulders. Nothing so droll as chasing down autographs would be among pledging duties. Instead all actives would be provided with a bush knife with which they can carve their mark upon the hide of pledges. That would make them true blood brothers.

Since membership would mushroom so rapidly, it would appear likely that the officers be selected from among those who have gone on probation whole hog—both semester and overall averages under 1.0. Otherwise the number of competent men who could handle the jobs would be overwhelming.

Such an honorary would provide a boost in morale for thousands of students who now must go through life honorary-less. Imagine their joy as they stride into the office of the president of General Electric proudly displaying their Tau Sigma cards!

## Shoo-fly pie

Wednesday, December 1, 1948 will be recorded as a great day in the history of culinary achievement.

On that day the North Union cafeteria broke the shackles of coffee and apple pie and embarked on a brave new adventure in gastronomy. Apparently dissatisfied with old-fashioned stand-bys like ham on rye, the sandwich counter came out with chicken gizzard sandwiches and cream cheese and citron on cracked wheat. Not to be outdone, the pastry counter featured shoo-fly pie (without apple pan dowdy).

The consensus of opinion was that the chicken gizzard and cream cheese and citron sandwiches were here to stay, but the shoo-fly pie (which tasted like ginger bread dipped in concrete) should be given back to Hoagy Carmichael.

## TECHNOLOGY NEWS

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Man of the Week

'Little guy; big things'—that's Adolphson

By Frank Valvoda

Judged only by his small size, Ed Adolphson might appear to the casual observer as something less than the human dynamo he really is. An eighth term EE, his activities alone—not to mention his scholastic achievements—could keep three or four less energetic people occupied.

Hailing from Rockford East high school where he graduated in the top 5 per cent of his class, Ed began his career at Illinois Tech in September, 1941, by temporarily supplanting a budding interest in electricity with enrollment in the

co-op course in mechanical engineering.

With the coming of the war, he transferred his slide rule to the Lewis campus for nine months of training with the enlisted reserve of the Army Signal corps. "Travel" with the services kept him away from IIT until September of 1946 when he began again with an earnestness that won him a John Morse scholarship for three consecutive semesters.

His work as treasurer and steward of Triangle fraternity, SUBC representative in his junior year, and student activity chairman of last year's Junior Week prefaced his present activities: President of Triangle fraternity, president of Inter-Fraternity Council, cataloguer of Tau Beta Pi and a member of Eta Kappa Nu and of the Advisory Committee for Student Activities.

Performing the duties of his offices and maintaining a 2.4 average leave him little time for hobbies; but he has a stamp collection that he'll "get back to some day," a more-than-passive interest in photography, and a penchant for musicals and stage plays.

After his graduation in January, he plans to enter the training program of a large company in the fields of power transmission or rotating machinery.



Ed Adolphson

IVCF shows water film Thursday

A colored movie, "Voice of the Deep," filmed on both the east and west coasts, will be shown at 1 p.m. Thursday, at an assembly in the NU auditorium. Sponsored by the Intervarsity Christian Fellowship club of IIT, it shows the results of underwater sonic research which followed an unexpected development of submarine protection during the war.

Sounds picked up by the coast guard equipment alerted the armed forces several times but were found to be caused by fish rather than enemy subs. The consequent investigation and its results are shown in the movie.

The film was produced in Los Angeles, under the direction of Dr. Irwin A. Moon, who has been discovering a series of Biblical corroborations to scientific facts, during the last decade. It is the third of a series of films, the first being "The God of the Universe."

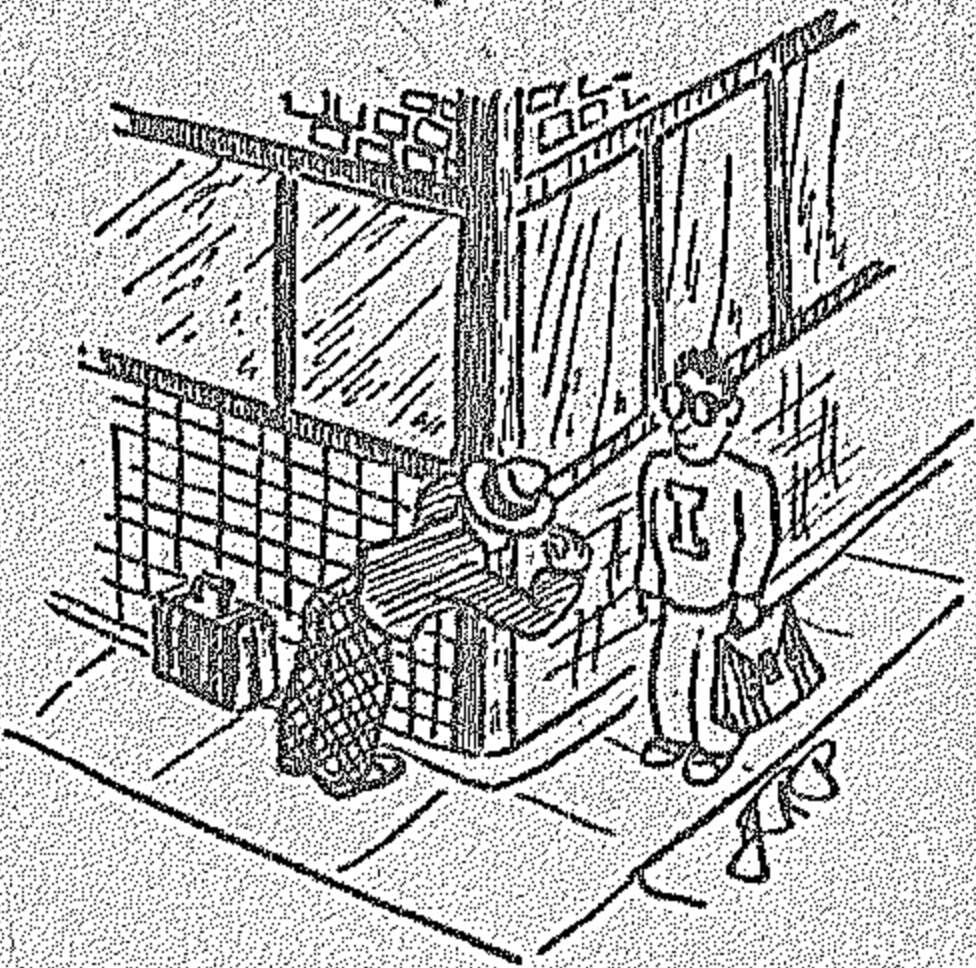
HEALD SPEAKS

(Continued from page 1)

problem, President Heald stated. "We have been unwilling landlord to many unwilling tenants, and demolition of tenements has moved at a snail's pace."

Three buildings are scheduled for construction to start on in the current school year, he said. These are the heating plant, the AAR research lab building, and the Institute of Gas Technology building. The next on the list is the Lewis building, which will be a twin of the Chemistry building and across 33rd street from it.

Commenting on the new buildings already in use, President Heald remarked. "They represent a marked departure in college architecture—they have attracted literally world-wide attention."



"TD plates.....50 cents"

Juniors plan dance to greet Christmas

By Henry Holmes

The prospect of Dan Belloc's smooth music at ultra-modern Tam O'Shanter country club is selling bids to the junior class dance at a rapid rate.

"Christmas Holidays" is timed right for a yuletide keynote, December 17, the last Friday of classes this year. The affair promises to be a lively one from start to finish.

From the time the receipts

are exchanged for clever bids of unusual design to the strains of the last dance number, electric-eye doors, streamlined surroundings and intermission entertainment will help IIT's jolly juniors prepare a novel welcome for Saint Nick.

Pi Nu Epsilon pledges seven new members

Pi Nu Epsilon, national musical honorary fraternity at Illinois Tech, has announced the pledging of seven men: Kenneth Wolters, Jack Chrystal, Robert Scharding, Ted Zagula, Jack Smith, Harold Weigman, and Milan Oselka. The six-foot musical clefs will identify the men around the campus, until the date of the initiation banquet December 14.

Pi Nu Epsilon was able to arrange for the presence of the band at the Homecoming game December 10. Preparations are also being made for adequate advertising and decorations for the Christmas concert.

Fred Woeller, junior class treasurer, revealed that the number of bids offered for sale are limited to 325. He urges Techawks to do their shopping early to obtain bids and choice table reservations. Bids are on sale in the colorful booth in North Union lobby at \$3.25.

CLASSIFIED ADS

WANTED, clean, sanitary 3-piece furniture suite. Alex, Box 143, Technology News.

ALERT students interested in Junior class activities to vote for and elect JANIK, president, and AICKY, secretary.

Here Are Christmas Cards That Are Different For People Who Want Greetings of Distinction



The "CONTEMPORARY ARTISTS" Box by White & Wyckoff

Distinctive and colorful, these cards carry full color reproductions of beautiful paintings by eminent artists of today. They will be a delight to send and a pleasure to receive.

They're all folders, printed on new KROME-KOTE highly finished paper, each worthy of framing.

Each card carries a little story about the artist who painted the scene portrayed, as also the story of the scene itself.

Buy Them By The Box!

Price \$1.00

The Box of 12 Assorted Cards and Envelopes

Ask To See Them! At Our Greeting Card Department,

Illinois Tech Bookstore South Student Union

7,200 years of college... and still learning

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They study many things. How to speed your voice across the street or around the world. How to keep your voice natural in tone and volume. How to make central office equipment capable of switching your call even faster. How to produce in laboratories the materials which are hard to get in their natural form—quartz, for instance. How to conserve the scarce metals which go into wire and cable, by making one circuit carry many conversations.

From such studies they learn how to make your service better and better, and keep its cost low.

BELL TELEPHONE SYSTEM



# Campus cops check crime

## Tech vigilants watch, patrol without glory

By Johnnie Best

"The policeman's lot is not a merry one," as Gilbert and Sullivan might have said. Seldom exciting, but always demanding, the job of a police officer is just routine until spectacular incidents bring a blaze of momentary publicity. IIT's "campus cops" are no exception to the rule.

Genial "Charlie" Wiegand, sergeant of the Illinois Tech private police force, emphasized the prosaic nature of his duties when interviewed in his "shack" at 33rd and Federal streets the other night. "We're here to prevent trouble," he pointed out, "and we do our best to keep Technology Center out of the crime headlines." As a result of the attention to duty of Sergeant Wiegand and his 13-man force, a few serious violations of law have taken place on the campus.

Ten of the sergeant's men are uniformed patrolmen, with full police powers; three others serve as plainclothes watchmen inside Institute buildings. The entire campus is under their observation day and night.

After dark, a jeep patrol makes



CAMPUS POLICEMAN WALTER Schultiz and watchdog Brownie keep their eyes open as they patrol in the force's jeep. Brownie moves ahead of guards and watchmen into buildings and along dark paths.

the route about the campus and fraternity row four or more times each hour and a special effort is made to escort students and Institute personnel to the "L" station, streetcar lines and to Michigan avenue.

For safety's sake, danger points are checked nightly. Sometimes an "absent-minded" professor or lab worker calls the patrol shack and worriedly explains that he left doors unlocked, forgot to turn off switches or left valves open in a laboratory. Charlie personally corrects these oversights—he has keys to practically every door on campus. The jeep patrol cooperates with Chicago police by checking on nearby incidents as reported on police calls heard over the radio in the shack. Reciprocally, the city police are available when needed.

Trespassers on the campus move along quickly when detected by the patrolmen, who carry nightsticks and a .38 police special revolvers. A major problem in the neighborhood

is the activities of young car-breakers, who are encouraged by careless autoists who leave radios, coats and other valuables in cars, sometimes without even locking the doors.

Arrests mean red tape, lost time and lost sleep, too, for Charlie. After twelve to fourteen hours on duty nightly, he often goes to court to bring charges against apprehended culprits. Charlie thinks that there are too many "repeaters" among the juvenile offenders, who, he feels, are handled with considerable laxity by the courts.

No wonder, therefore, that the Sergeant believes in vigilant and tactful measures to prevent trouble. "Sometimes one of our men becomes a bit arbitrary in dealing with the public, but this is not our intention," he explains. The use of discretion and diplomacy are insisted on by Sergeant Wiegand so as not to provoke incidents. Most of his men are experienced in security work—half are war veterans—and they handle tasks unobtrusively.

The services of the campus police seem particularly valuable following some incident of crime. After reports of the recent shooting episode on "Fraternity Row," some residents in that area became extra cautious. An ARF worker residing on Michigan avenue found himself locked out of his room one night not long ago.

Advised to call the IIT police for a pass key, he mistakenly phoned the Stanton avenue police station. The call was relayed to Sergeant Wiegand, who set out in his jeep to investigate. Halfway from the shack to Michigan avenue, he met the ARF man, who was proceeding warily down the street, a big, murderous knife clutched in his hand. The fellow was soon restored to his room, inside which the misplaced key was found.

(Next week, some of the more unusual and humorous incidents involving the campus cops will be revealed along with some advice to students on how they can make campus security measures more effective.)

# Survey teams ready for faculty rating

Honoraries have been assigned particular departments to poll for the faculty rating survey, according to Robert Hamilton, president of the Interhonorary council. Before the actual poll is taken, representatives of the honor societies will consult with the instructor to ascertain the best period for making the survey.

During the week following Christmas vacation, members of these honoraries will begin "the most extensive survey of its kind," said Hamilton. "Although other schools conduct rating surveys, the Illinois Tech instructor poll is to my knowledge the most extensive student-sponsored survey in the United States," he commented.

The entire procedure, including distribution, filling out and collection of the forms, is

expected to take about twenty minutes per class.

In commenting on the questionnaires Hamilton said, "The forms are the result of extensive research and I believe they are better than any other similar questionnaire. Every question has been compared with the sole purpose of conveying to the instructor the students' objective opinion of the teaching methods of the instructor."

The student will be asked to place no identifying mark on the form, but he will be requested to indicate his approximate grade point average and grade expected in the course. In this way the instructor can know more clearly the opinion of the average student, concluded Hamilton.

# Murray, Rosen to argue Tech grid question

Illinois Tech will soon have its first debating team.

Tentative plans for the team call for operation on an intramural basis until the team is sufficiently prepared for intercollegiate competition. The team will hold a meeting at noon on Tuesday, December 7 in 217C.

In order to acquaint inexperienced candidates with debating technique a "sample" debate will be held in "Resolved: Illinois Tech should have a football team"; Tom Murray and Ed Rosen will be the debaters.

The team, which is under the sponsorship of the Business and Economics club, was planned to provide an outlet for students who are interested in public speaking, economics, and politics.

At a plenary meeting held November 19 it was decided that the team would be open to all interested students, regardless of previous experience.

# Smith gets TB unit

Charles J. Smith, IIT's medical advisor, has revealed that the tuberculosis screening facilities of the Tuberculosis Institute of Chicago will be available to Tech-awks from January 4 to 14 inclusive.

This service, made possible through the sale of Christmas seals, is free of charge and the most effective method for detecting early and latent tuberculosis.

"Everyone on campus is entitled to this service and everyone on campus should take advantage of it for his own health's sake as well as for sake of the health of those with whom he comes in contact," said Dr. Smith.

# Musical clubs present Christmas sing Dec. 16

Three features will highlight this year's Christmas concert, which will be given Thursday, December 16, at 1:00 p.m. in the North union auditorium: A recitation of the Christmas story by D. Roy Mathews, professor of history; a trumpet solo by Charles Kohlar; and two numbers in which a girls' chorus will augment the glee club.

The program will be as follows: Introduction of Act III from "Lohengrin" . . . . . Wagner  
Carnival of Venice . . . . . Spaigers  
Charles Kohlar, soloist  
Jesu Bambino (The Infant Jesus) Von Concert Band  
Christmas Story told by Dr. Mathews.  
Break Forth, O Beauteous Heavenly Light . . . . . Bach  
Shepherd's Story . . . . . Dickenson  
Girls' Chorus and Glee Club  
Christmas Carols sung by audience.  
Morris Dance  
Shepherd's Dance . . . . . Edward German  
Torch Dance—Orchestra  
Hymn to the Night . . . . . Campbell-Tipton  
Steal Away . . . . . Spiritual  
Brothers, Sing On . . . . . Grieg  
Glee Club  
In a Monastery Garden . . . . . Ketelbey

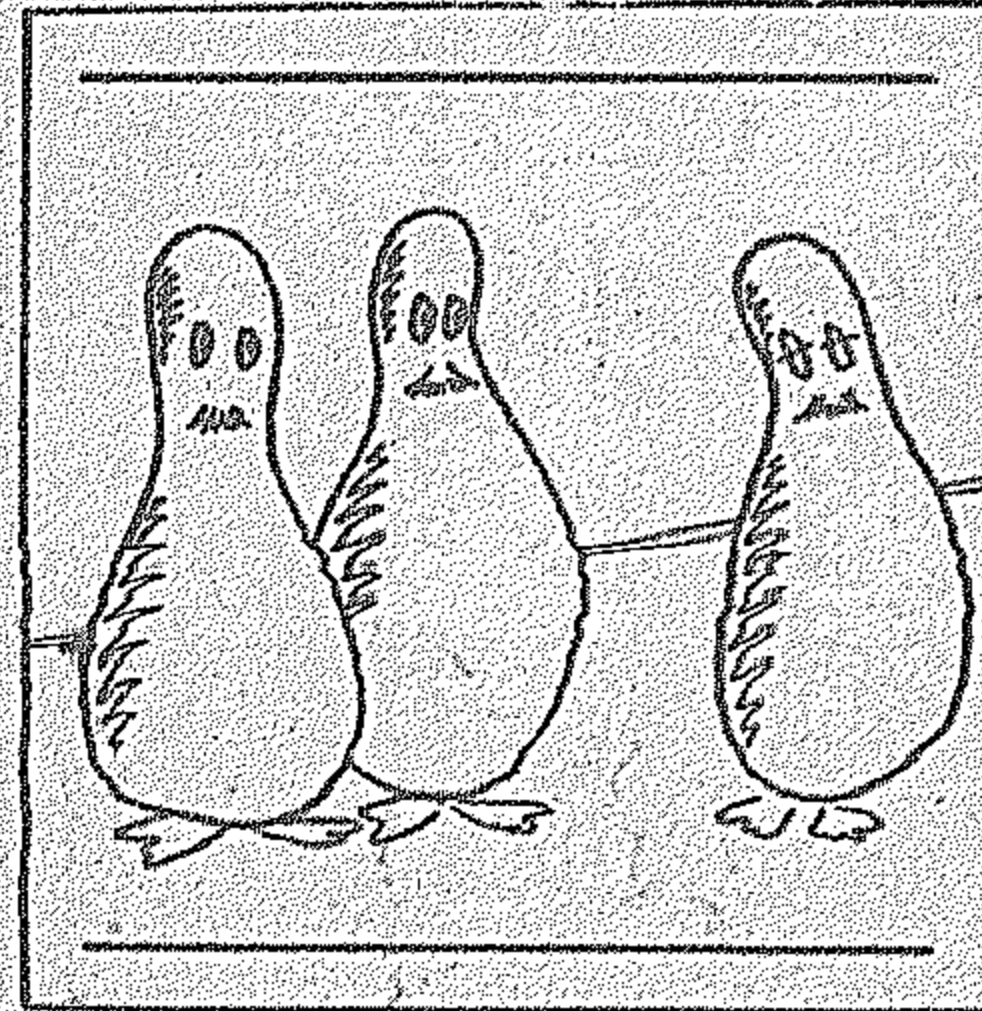
Selections from "Student Prince" . . . . . Romberg  
Orchestra  
Alma Mater

As a backdrop to the musical setting, the stage will be transformed into a forest of lighted Christmas trees. The recitation and its accompanying music will be climaxed by one of the combined choral numbers, "Break Forth, O Beauteous Heavenly Light." A session of Christmas carol singing by the entire audience is also included.

# Jobs posted in Placement

The Placement office schedule for on-campus senior interviews will be announced in Technology News each week during the rest of the semester. Interviews for the week of December 6-10 are as follows:

- MONDAY, DECEMBER 6—Linde Air.
- TUESDAY, DECEMBER 7—Allis Chalmers (group interview from 1-2 p.m., individuals from 2-5 p.m.)
- WEDNESDAY, DECEMBER 8—Allis Chalmers—Wright Aeronautical Corp. Westinghouse Electric.
- THURSDAY, DECEMBER 9—Westinghouse Electric. Stewart Warner.
- FRIDAY, DECEMBER 10—Armstrong Paint and Varnish Swift and Company.



(Paid Advertisement)

# Thirst for Refreshment Relishes Ice-Cold Coke



Ask for it either way . . . both trade-marks mean the same thing.

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"Your friends deserve the best!"

## Alpha Phi Omega Christmas Cards

- from US
- to YOU
- for THEM

"They'll Appreciate It!"

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# HKN called outstanding EE society

# Tau Beta Pi pledges 60 at honors meet

# 'Castings' to meet Thursday

The Illinois Tech chapter of Eta Kappa Nu has been recognized as the nation's outstanding chapter of the honorary electrical engineering fraternity for 1947-48.

Unanimously chosen by the national executive council in New York, the Illinois Tech chapter conducted a large number of activities, some of which were the initiation of the faculty rating system, rejuvenation of the Chicago alumni chapter, working with the placement office to provide complete information on all graduating electrical engineering students, maintaining an active alumni file, holding five smokers for the membership other than the regular meetings and keeping a chapter average of 2.45 as compared with the overall men's school average of 1.52.

Sixty men received one of the highest honors offered at IIT at the honors assembly held November 23. These men were pledged to Tau Beta Pi.

In presenting the new members Robert Hamilton, president of the honor society, commented. "Election to Tau Beta Pi was based on scholarship, integrity, scope of interests in and out of engineering, adaptability, and unselfish activity."

Hamilton disclosed that five men in their fifth term had been elected. "These men are considered honor members of the fraternity," said Hamilton. They are: Peter E. Grafton, Donald F. Leal, James A. Mason, Keith E. McKee, and Donald H. Ward.

Two departmental honoraries made awards to the outstanding students in their respective departments. Chi Epsilon, CE honorary, recognized Robert Masur as the

outstanding CE sophomore and presented him with a slide rule. Pi Tau Sigma, ME honorary, announced Thomas J. Walsh to be the outstanding sophomore of the department, awarding him a handbook, and Robert M. Beckers to be the outstanding freshman, awarding him a year's membership to ASME.

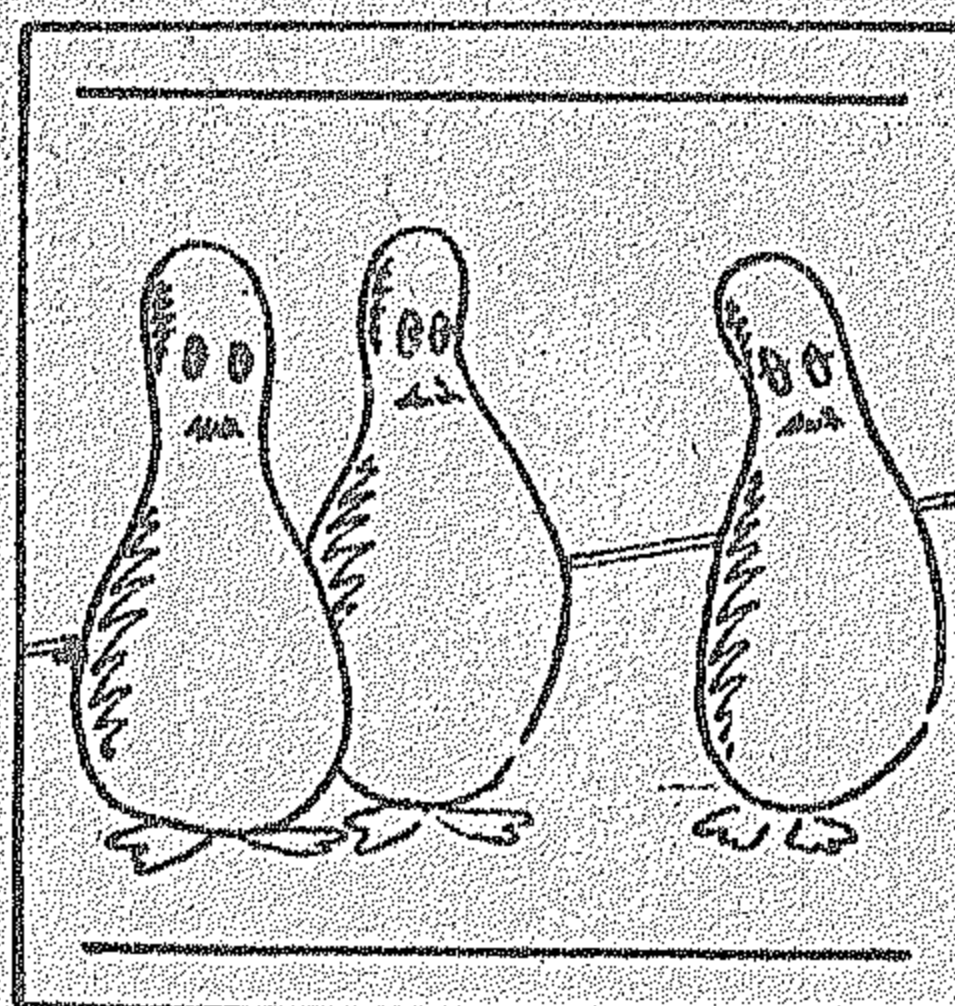
Following these awards, Bob Elliott, vice-president of Pi Delta Epsilon, the journalism honorary, displayed a plaque honoring three Technology News staff members who did outstanding work in news, feature and sports writing.

The new members of Tau Beta Pi have begun pledging activities. During the pledge period, they will be required to wear a replica of the emblem of the fraternity and collect signatures of the actives. The pledge period will end with a formal initiation and banquet to be held in the Gothic room of the Sheraton hotel December 13.

Rough Castings, Illinois Tech's new all-male dramatic group is well-launched toward the production of its annual spring musical.

Wells Bower, business manager and secretary stated that any male students, with or without experience, but interested in this type of activity, should attend a meeting to be held in 101MC at 1:10 p.m. Thursday.

Robert Bushelle, author of last year's show, announces that the principal parts of this year's production are completed.



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## NEWS IN BRIEF

**SAM**—Siegfried J. Fecht will speak at an evening meeting of the Society for the Advancement of Management on "The Human Element in Time and Motion Study," at 5:30 p.m. Wednesday in 101MC. Mr. Fecht is an authority on time and motion methods and wage incentives and is now supervisory engineer for George Fry and Associates.

**RHO EPSILON**—Edwin R. Whitehead, head of the electrical engineering department, was initiated as an honorary member of Rho Epsilon Tuesday night. Also initiated were 15 men who had completed their pledging period a few days previously.

**ACS**—"The Chemical Reactions Initiated by Radiation Absorption" will be the topic of a talk given at an ACS meeting Tuesday at 1 p.m. in 118 CB.

Members are asked to register for the coming field trip to the Abbott laboratories in North Chicago at this time.

**SIGMA IOTA EPSILON**—Fifteen undergraduate students were formally initiated into Sigma Iota Epsilon, honorary management fraternity, Jack Bright, president, announced this week.

**BE CLUB**—The Business and Economics club will hold its monthly student discussion meeting today at 11 a.m. in 126B1. The subject of the discussion will be "Aid to China—How Much?" Bob Glamore and David Halperin will present the basic facts of the problem.

**VA CHECKS**—All veterans who have not received their subsistence checks should report to the veterans' office in 200 NU. The VA has requested this in order to expedite payment to those veterans who have not yet received their checks.

**MUSIC CLUBS**—On December 12, the musical clubs, with 120 members, will travel to Rockford, Illinois. This is the largest group of musicians from Illinois Tech ever to appear at any outside engagement.

## Housing report tells of dorm progress

By Alan Plait

Regardless of the reported delays in obtaining materials for the construction of IIT's ten story apartment building, one quick glance at the rising structure is enough to convince anyone that progress is being made here. Brick facing is completed on the first two stories and the north and south staircases are in the process of completion. Concrete is being poured for the seventh floor. Plumbing facilities are being installed at a rapid rate.

On a brief inspection tour of the new Fowler hall, it was found that the reported debris in the lounge has been cleared, presenting a good-looking study room. Land adjacent to the building has been cleared and landscaping facilities are being provided.

The fame of IIT's development program has reached the "ears" of the Modern Railroad's magazine. In connection with the proposed construction of the railroad research building, it was found that "the building will be completed before the snow flies next winter."

William T. Faricy, president of the Association of American Railroads, stated that the two-story structure will house research facilities in lading damage, bracing of freight, humidity control of refrigerator cars, and stresses and strains in freight cars.

In a reprint from the 1948-49 edition of The American School and University annual, an article, written by Raymond Spaeth, executive treasurer of IIT, detailed the progress of IIT's development as of the beginning of 1948.

The article told of the merger of Lewis and Armour Institutes and explained the reason for the selection of the south side campus

as a site for further development. Mr. Spaeth outlined the difficulties inherent in construction aims in this area and how they were overcome. He told of the good work of the South Side Planning board and the Chicago Housing authority in presenting plans for progress. He concluded with the description of the structures completed and in the process of construction at that time.

## tech timetable

Items appearing in Tech Timetable are those which have been scheduled with the Dean of Students' office.

- FRIDAY, DECEMBER 3**—  
BE club, 11 a.m., 126B1.  
Tau Beta Pi, 5 p.m., 102MC.
- MONDAY, DECEMBER 6**—  
IVCF, 7:30 a.m., Exec. conf. rm. (Monday thru Saturday.)  
Phi Lambda Upsilon, 5 p.m., IHC room.  
Delta Lambda Xi, 5 p.m., NSU lounge.
- TUESDAY, DECEMBER 7**—  
BE seminar, 8 p.m., Exec. conf. room.  
AIEE, 1 p.m., MC aud.  
IVCF, 1 p.m., 211C.  
Math club, 1 p.m., 114C.  
FPES, 1 p.m., 108C.
- WEDNESDAY, DECEMBER 8**—  
Faculty Orientation meeting, 4 p.m., MC aud.  
Women's club, 1 p.m., Exec. conf. room.
- THURSDAY, DECEMBER 9**—  
Rough Castings, 1 p.m., 101MC.  
IVCF, 1 p.m., NSU lounge (movie.)  
AIME, 1 p.m., MC aud.  
EE Dept., 1 p.m., 302M (class movie.)
- FRIDAY, DECEMBER 10**—  
Homecoming dance, 9 p.m., NSU lounge.  
Kappa Phi Delta, noon, Alumni conf. room.  
BE seminar, 8 p.m., Exec. conf. room.  
Tau Beta Pi, 5 p.m., 102MC.

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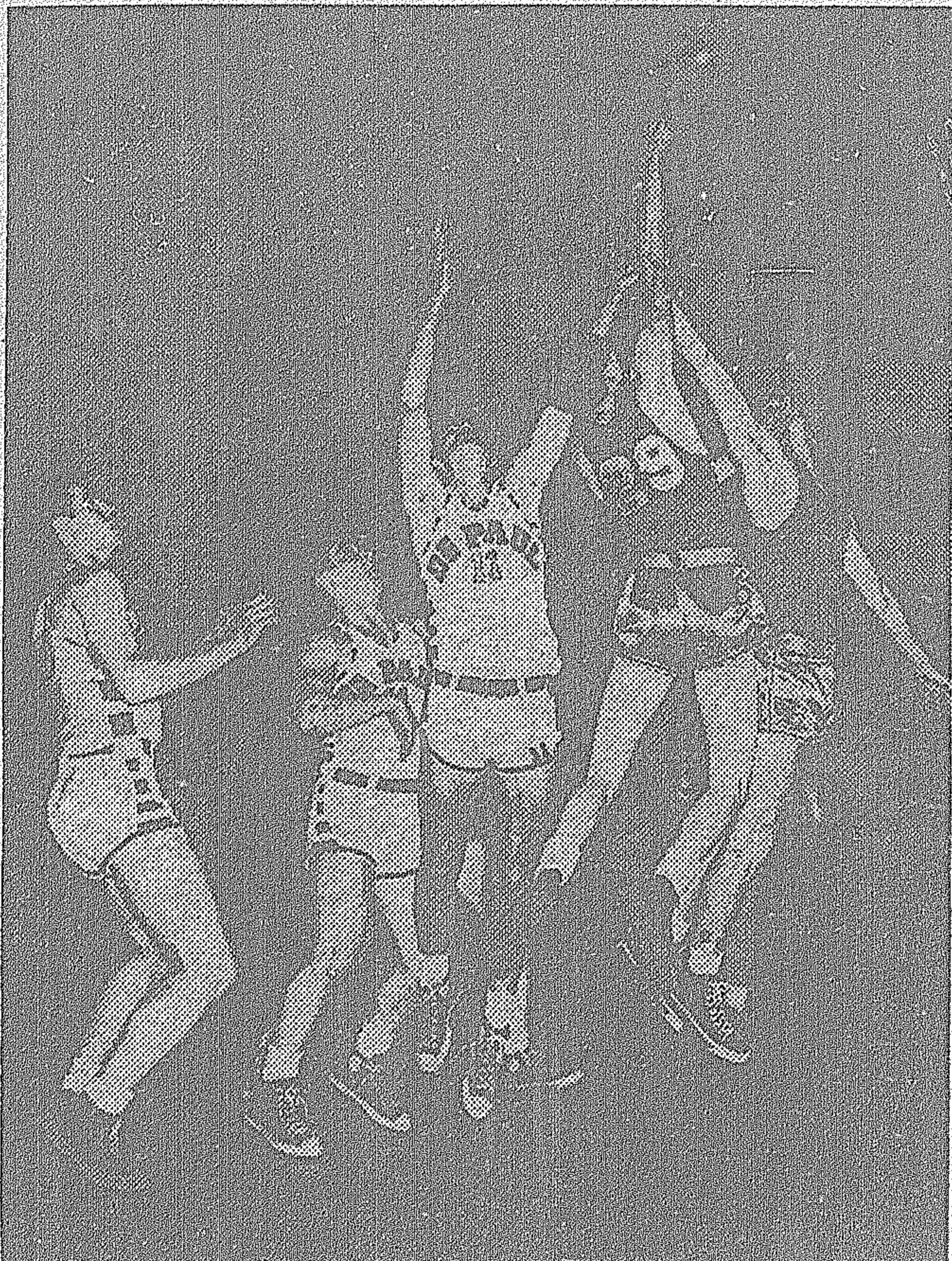
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# Scrappy ballhawks resume action



TECHAWK BOB LEISER and team mate go high into the air to capture a rebound in the hard-fought De Paul game.

## Foresters make debut at Tech gym

By Larry Shapiro

The Techawk cage squad will be gunning for their second victory in three starts when they face the Lake Forest "Foresters" in the Technology Center gymnasium, tonight at 7:15. Admission is free to any Tech student presenting an identification card.

Thus far, the Scarlet and Grey basketballers have drubbed Northern Illinois College of Optometry, 68-36; and then bowed to the powerful De Paul Demons ('47 midwest representatives in the NCAA championships) 70-34.

Lake Forest's appearance marks the opening contest in their 18 game schedule. Ken McAllister, Cardinal and Black coach, is starting two freshmen, one sophomore, and two juniors. The two talented first year men, Norm Berglund and Bill Souders play forward and guard respectively.

Three lettermen will complete the starting lineup. Austin Hansen, a 6'3" junior, will again man the center post, while Mert Anerson and Warren Boyes will hold down the other forward and guard positions, respectively.

Captain Carl Bergstrom led the Hawks to an easy but "ragged" 68-36 win over Northern Illinois College of Optometry in the season's opener. Bergie topped the scoring with eight goals and five charity tosses for 21 points. "Big George" Scalamera and Bob McCue hit for 14 and 9 tallies, respectively; while playing coach Bob Krack sank 12 points for the losers.

The game was rough and wide open with the referees whistle sounding constantly. The Optics battled gamely, but Tech's superior speed and height soon began to tell as the varsity moved to a 35 to 19 halftime lead.

Tech showed a better brand of ball handling and team work after the half and turned the game into a rout with Glancy sweeping the bench of every substitute.

De Paul's powerhouse swept through our varsity last Monday to the tune of 70 to 34. The "boys" gave it everything they had after freezing up the first 10 minutes and trailing De Paul 19 to 2. Led by Scalamera, who dropped in 16 points to top all scorers, the Hawks held the Demons to a half-time score of 37-20.

However, the sharp shooting of Bill Benson, Chuck Allen and Bato Goverderica moved the Demons far ahead in the second half. Benson topped the De Paul scoring with 13 points.

Bob McCue, freshman guard and the team's ace playmaker, was absent due to a seige of stomach flu. This absence hurt the squad tremendously.

## BREEZE BY SHOOTING BEN SUTTON

The question of a merger of the IF and IM athletic leagues has arisen again. It may be recalled by some that this department first suggested such a move in a column last May 5. At that time the fraternities who spoke to me of it strongly denounced the idea. It now appears that some foresight along that line would have saved the fraternities some trouble.

The main criticism of the IF touchball league (aside from dividing student interest) lies in the rule differences. It is compulsory in the IM league to wear hip-pads. There are other safety measure rules in the IM set-up that if used in IF play might have prevented the wave of injuries suffered.

It is interesting to note that only five midwesterners are in the Helms Foundation Basketball Hall of Fame. However, one of the five is our athletic director, "Uncle" John Schommer.

"Uncle" John did his collegiate playing at the University of Chicago, as did the great Harlan Page who is also listed in the hall of fame. Thus the Maroons, who at one time lost more than 50 consecutive games in the Big 10, placed 40% of the all-time, all-star players. Times do change!

Heard tell that some freshmen arrived late to a class and tried to put the blame on their gym class the previous hour. This is absurd and I am surprised that a teacher would give credence to such a story. The gym classes are dismissed 10 minutes before the hour, thus giving the youngsters 20 minutes to shower and make their next class.

Students have an unusual opportunity to see three varsity teams in action tonight. The cagers, wrestlers, and swimmers are all at home to visiting opponents.

The pep shown at the De Paul game was terrific! An uninformed spectator would have thought the Hawks were winning. Triangle fraternity sparked the crowd by making the game a function for all its members. It now appears that Tech students are discarding the cloak of apathy which has been their traditional garb. More power to them!!

## Grapplers open season; meet Chi-Illini tonight

By Vic Sirwinski

The wrestling team squares off against its first opponent of the season, the University of Illinois, Navy Pier, at 4 p.m. in the Tech gymnasium, 32nd and Dearborn.

The matmen have been pointing for this one since last season when they took two beatings from the Illini. With revenge as an added incentive for winning, the Techmen will be eager to wipe the rosin from the mats with their opponents shoulders.

Coach "Sonny" Weissman got an early start in training this year, sending his men through a month of roadwork and a month of body contact work. Each man is in excellent physical condition, and weighing in at the proper weight is no problem for anyone on the team.

Of the 52 men who answered Weissman's call for wrestlers two months ago, 18 of them will defend the Techawk colors against the Illini tonight. Weissman will have one man representing the 121 pound division; there will be two men defending the 128 pound, 165 pound, 175 pound and heavy-weight divisions. Three men will wrestle in the 136, 145 and 155 pound weight divisions.

Harry Himelblau, manager of the wrestling team, announced that two more schools have been added to the IIT schedule. They are Wright Junior college and the University of Wisconsin, Milwaukee Extension. These are in addition to the matches already scheduled with the University of Chicago and Bradley University.

Dates of meets with the above schools will be announced in forthcoming issues of Technology News.

## Pi Kap-Delt game to name IF champion

The Intrafraternity touchball championship is now up for grabs between the Delta Tau Deltas and the Pi Kaps. Pi Kaps put the Triangles out of contention yesterday by a score of 27-0.

The Deltas defeated Triangle Monday 6-2, but under the IF rules a team must lose two games to be eliminated from title potentialities. Beside their loss to the Deltas, Pi Kap has a tie against their record, which counts as one-half a loss.

Accordingly, the Deltas need only to gain a tie in the game Tuesday to walk off with the champion's laurel. Should Pi Kap win Tuesday, however, they and the Deltas will have identical records and a third match between the two teams will be necessary to decide the titlist.

Ken Turner and Ken Thompson of Triangle both suffered spinal injuries and are wearing body casts, so they were unable to play. Both boys were hurt in games with the hard-playing Deltas.

The two Kens are key players in the Triangle attack. However, their replacements played hard in the Pi Kap game.

## Foilers face TSCE

The Illinois Tech fencing squad will be host to the Tri-State College of Engineering fencers tomorrow at 1 p.m. Tri-State opens the season for the Techawks.

At the sabre will be Dick Bright, John Bergerson, and Bill Clark. Lining up at epee will be captain Aaron Solomon, Frank Valvoda, and Fred Pidgeon. On the foil are Wayne Johnson, Joe Billy, and Willy Nurenstein.

All but four of the team members are experienced fencers, returning from last year's team. The four new faces are Nurenstein, with four years outside experience; Bright, with 2 years outside experience; and Valvoda and Pidgeon, who are promising newcomers.

Recently, Aaron Solomon tied for third place in A.F.L.A. divisional epee meet.

## Swimmers open tonight on Chicago campus

By Henry Bubleby

The Illinois Tech swimming team opens its 1948-49 season in a dual meet with the University of Chicago, tonight at 7:30 in Bartlett gym pool on the U. of C. campus. The Seals, swamped last year 54-21 by the Maroons, are out for revenge. This year, with new talent and led by Jim McNerney, the team should take the meet.

## Chesshawks on victory trail; Chi-Illini next

The Chess club, coasting on victories in both city and collegiate leagues, will play two comparatively easy matches today. This afternoon, their second ladder players will meet Navy Pier here in a seven board match. Later in the evening, the first board players will play a six board match with the West Suburban Chess club in the quarters of the Chicago Chess club, downtown.

Favorites to win in the city match this evening are: K. Nedved, who won on the first board in the Hyde Park match, H. Garbarino, who did not lose one of six match games last year, and H. Lee, a promising freshman, who drew his game in the Hyde Park match.

G. Speich, who has moved up several ladder positions in recent weeks, H. Cherem, and E. Jacobs, all should win against Navy Pier.

Against the Chicago men, Coach John Ahern will use Len Carlman and Bill Christian in the breaststroke events. With Ray Klitzke and newcomer Ted Spath diving, Joe Peters grinding out the 440, Jack Madsen and Captain McNerney handling the free style sprints and new talent filling in, the team is stronger now than it ever has been before.

To help pull the squad to victory, Coach Ahern urges everyone to get out and watch the meet. Despite the conflicting event, Seniors can get to see the meet before going to the Senior Stag.

In a closed ballot election Monday night, the team elected Jim McNerney Captain for the current semester. McNerney, a Senior BE, specializing in the free style sprints, is one of Tech's all time swimming stars.

## Trojans seek second win

The Trojans will be out for their second victory in two starts in the IM basketball tourney when they meet the Soph Civils Tuesday at 1 p.m. On the same card the powerful Trotters will face the Bullets. On Thursday, the Senior Die Hards oppose last year's runner ups, the Chem Grads, while Fowler Hall will come up against the N.R.O.T.C. Frosh at 1 p.m.

A total of 34 clubs are entered in the league which has been divided into four sections. The winners of each section will play off to determine the IM champs. As an added incentive, the winning quintet will oppose the IM champs from the University of Chicago and Navy Pier.

League play got off to a roaring start with five lopsided games, one close contest, and a new scoring record in the first week of play. In the only game where the outcome was in doubt, the Filthy

Five (that's their name, not a description) eked out a victory over the Shulbitters 23-20.

The Panthers dropped their opener to the Asps 34-14. In the remaining games, four strong teams made their season's debut with easy victories over their opponents.

Marty Hoelt led the Whiz Kids to a 37-12 win over the Metallurgists. The Trojans showed power Senior Comicals 47-11. The Archs showed well balanced scoring powers as they defeated the Neolites, 31-14.

The Wolves, defending champions, proved that practice pays off as they set a new IM scoring record by crushing the 3 D's 68-18. Ably coached by varsity ballplayer Leo Kiley, the Wolves showed impressive speed and power. Bruce Tennants' 21 points took scoring honors, while Fred Woeller was close on his heels with 19 markers.

# Poor IF officiating prompts IM combine

By Jim Wangersheim

Inter-Fraternity football has reached a new low. To say that the games are marked with inferior officiating, resulting in a poor caliber of play would be a rank understatement, and could much more aptly be stated by simply saying that once and a while the plays are called right.

We had the opportunity of witnessing the crowning point in this entire mess last week. In a game between two of the leading teams, such obvious rule infractions as illegal blocking, ridiculous cases of offsides, and even allowing five offensive downs were completely ignored by the officials. At one point in the tilt, it was necessary for the referee and the other judges to confer almost five minutes in order to decide whether an unsuccessful attempt by the defensive team to run an intercepted pass out of the end zone should result in a safety, or a touchback. After the lengthy discussion, they made the wrong decision anyway, and awarded an unearned two points for the safety. Certainly the opposing teams and coaches are going to cry for a decision favoring them, and it would appear unnatural if they didn't, but that's the purpose of an impartial (?) referee to begin with . . . to call the plays as HE sees them.

Of course the entire blame cannot be heaped upon the officiating to be passed off as such, but rather it is worthy to look further into the basic organization of Inter-Fraternity athletics.

Why is it necessary to wait until the start of the fall semester in September to select the athletic chairmen, which in turn means that the football season is close to half over before the IF's get started?

It is noteworthy however, that while the IF's are having probably their worst year, the IM's on the other hand have completed a most successful season. The officiating approached the impeccable, and the caliber of play improved along with it. Both the participants and the officials were more than pleased with the tourney, and when the champions were crowned they were recognized as such. True the games were played at distant Armour Square which cut the already pathetic student interest down to practically nothing, but that is only a temporary situation, which can and will be repaired by the administration.

Now it should appear fairly obvious to all concerned, that herein lies an answer to what definitely has grown into a problem.

The Intramurals need the fraternities, and the Interfraternities need the Intramurals. Is a combination of these two powers so far away? We think not. The set-up will include two separate leagues, a house or fraternity league, and an independent league. If the number of teams requires further expansion then each league can split and produce four leagues. The fraternities however will only

play the fraternities until a league champion is selected, and they in turn will play off the leaders of the independent league.

Both the fraternities and the independents will be governed by the same rules, watched by the same officials, play on the same field, use the same equipment, and above all draw the same student interest.

Can the administration be blamed for questioning the actual necessity of a larger intramural budget, when the student interest amounts to nil? Will the student interest ever amount to anything if it is continually divided into separate groups? We think not.

This appears to be one of those "natural" propositions where everybody stands to gain.

Certainly it's worth a try.

# Bob Miller heads new honorary

During its first meeting Tuesday, Phi Eta Sigma, newly established freshman honor fraternity, elected Robert Miller, president. Miller had been serving as chairman of the group during the installation proceedings.

The fraternity also chose Robert Macur as vice-president, David Sachs as secretary, William Smith as treasurer, and John Scannell as historian.

After the election Miller announced that the freshman honorary had been accepted as a member of the Interhonorary council. The IHC is a body which coordinates matters concerning all honor societies on the campus.

The Council in a memo to the dean of students last semester, recommended the establishment of a chapter of Phi Eta Sigma at Illinois Tech. It was the opinion of IHC that the existing honoraries were beyond the scope of most incoming students.

# Camera fails; group shots rescheduled

Group pictures of the following organizations will be taken in the North Union lounge next Friday, Len Speicher, Integral editor, announced this week. These groups are being re-scheduled because mechanical failure of the studio camera resulted in unsatisfactory pictures in the original schedule.

- :50—Kiva.
- 4:00—IT Vets.
- :10—Polish club.
- 9:00—Alpha Sigma Phi.
- :10—Beta Omega Nu
- :20—Daedalians.
- :30—Delta Lambda Xi.
- :40—Delta Tau Delta.
- :50—Delta Zeta.
- 10:00—Sigma Alpha Mu.
- :10—Pi Kappa Phi.
- :30—Sigma Phi Epsilon.
- :30—Tau Epsilon Phi.
- :40—Theta Xi.
- :50—Triangle.
- 11:00—Alpha Epsilon Pi.
- :10—Alpha Phi Omega.
- :20—BE undergraduates.
- :30—BE club.
- :40—IE undergraduates.
- :50—IE undergraduates.
- 1:00—EE undergraduates.
- :10—EE undergraduates.
- :20—EE undergraduates.
- :30—AIEE.
- :40—AIEE.
- :50—AIEE.
- 2:00—IRE
- :10—Rho Epsilon.
- :20—Eta Kappa Nu.
- :30—Soc. for Adv. of Mg.
- :40—Psych. and Ed.
- :50—Met. Eng. undergraduates.
- 3:00—Newman club.
- :10—Farr Hall.
- :20—Farr Hall.
- :30—Fowler Hall.
- :40—Fowler Hall.

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# CAMPUS CAPERS... LAFF 'N' LEARN

**Johnny**  
 GUIDES JEFF BACK INTO THE ORPHEAN GROOVE

NOW, MY GOOD JONGLEURS, HAVE A CARE HOW YOU BREATHE THIS BARCAROLE INTO THE EARS OF YON NYE OF SORORITY NYMPHS. SING UP, STAR TENOR JEFFREY.

HOPE MY THROAT DOESN'T GO DRY. I'VE BEEN SMOKING A LOT.

GOSH, JEFF, THAT LAST HIGH NOTE YOU CROAKED WAS AN ANTEDILUVIAN PICKLE IF I EVER HEARD ONE!

UHP- SORRY, ED, MY MOUTH AND- HRUMPH- THROAT FEEL DRY- HRUMPH- AS A BONE.

JEEPERS, JEFF, I DON'T MEAN TO EXPOSTULATE- BUT WE'LL NEVER BE THE CHAMPION CAMPUS QUARTETTE UNLESS YOU GIVE AN ULTRAMUNDANE PERFORMANCE.

GEE, I'M SORRY, ED- I WISH I COULD GET THE ANSWER TO THIS SMOKED-OUT FEELING IN MY THROAT.

SOUNDS LIKE CIGARETTE HANGOVER TO ME, JEFF. PHILIP MORRIS IS THE ONLY LEADING CIGARETTE PROVED DEFINITELY LESS IRRITATING, WHY NOT TRY 'EM?

YOU'VE HIT A REAL CADENZA FOR ME THERE, JOHNNY!

THOSE HE-SIRENS SOUND MORE PHILHARMONIC THAN I'VE EVER HEARD THEM

THAT TENOR JEFF REALLY THRILLS ME SINCE PHILIP MORRIS HELPED HIM GET RID OF CIGARETTE HANGOVER.

*Build your vocabulary*

**ORPHEAN** — Like Orpheus, sweetest singer of mythology.

**JONGLEURS** — Mediaeval Minstrels.

**BARCAROLE** — Serenade with romantic intonations.

**NYE** — Old hunting term for a cluster of beauteous birds like Pheasants.

**ANTEDILUVIAN** — Before the Flood; ancient.

**EXPOSTULATE** — To object with emphasis.

**ULTRAMUNDANE** — Out of this world, i.e., to sing like Bing.

**CIGARETTE HANGOVER** — That stale smoked-out taste; that tight dry feeling in your throat due to smoking.

**CADENZA** — A gay vocal outburst.

**PHILHARMONIC** — Denoting a love of pleasant harmonies.

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## Honorary CE fraternity elects officers

In an election following a formal banquet on December 17 Wilburt Kautz was elected spring semester president of Chi Epsilon, civil engineering honorary fraternity, stated Zewel Berman, president.

At the same election Robert T. Nelson was chosen vice-president, Julian Snyder, secretary; Angelus Duros, treasurer; and Keith McKee, Transit editor.

The banquet and elections were held at the Chicago Engineers' club. Present at the affair were Frank Edwards, head of the CE department and Fred Netella, lieutenant commander of the United States Coast and Geodetic Survey, who was initiated as honorary members of the society.

## Math club to hear Sternberg

Eli Sternberg, associate professor of mechanics, will speak before the Mathematics club on Tuesday at 1 p.m. in 114C. His topic will be announced at a later date.

Marshall Kaplan, president, also announced that Don Arenson of ARF will discuss "Transfinite Arithmetic" at the December 14 meeting at 1 p.m. in 114C.

## CBS engineer speaks on radio work

At a joint meeting of IRE and Radio club Tuesday, Ed Hadley, president of the Institute of Radio Engineers, introduced the guest speaker, E. K. Dahlin, television engineer of Chicago's CBS station, WBBM.

Mr. Dahlin, a graduate of Lawrence Institute of Technology in Highland Park, Michigan, described the operation of the Columbia Broadcasting system. He discussed the requirements of the microphones used, the method of broadcast amplification, the role of telephone lines in the nation's radio networks, and the national hookup system employed by CBS.

## Kaindl tells of license exams coming in May

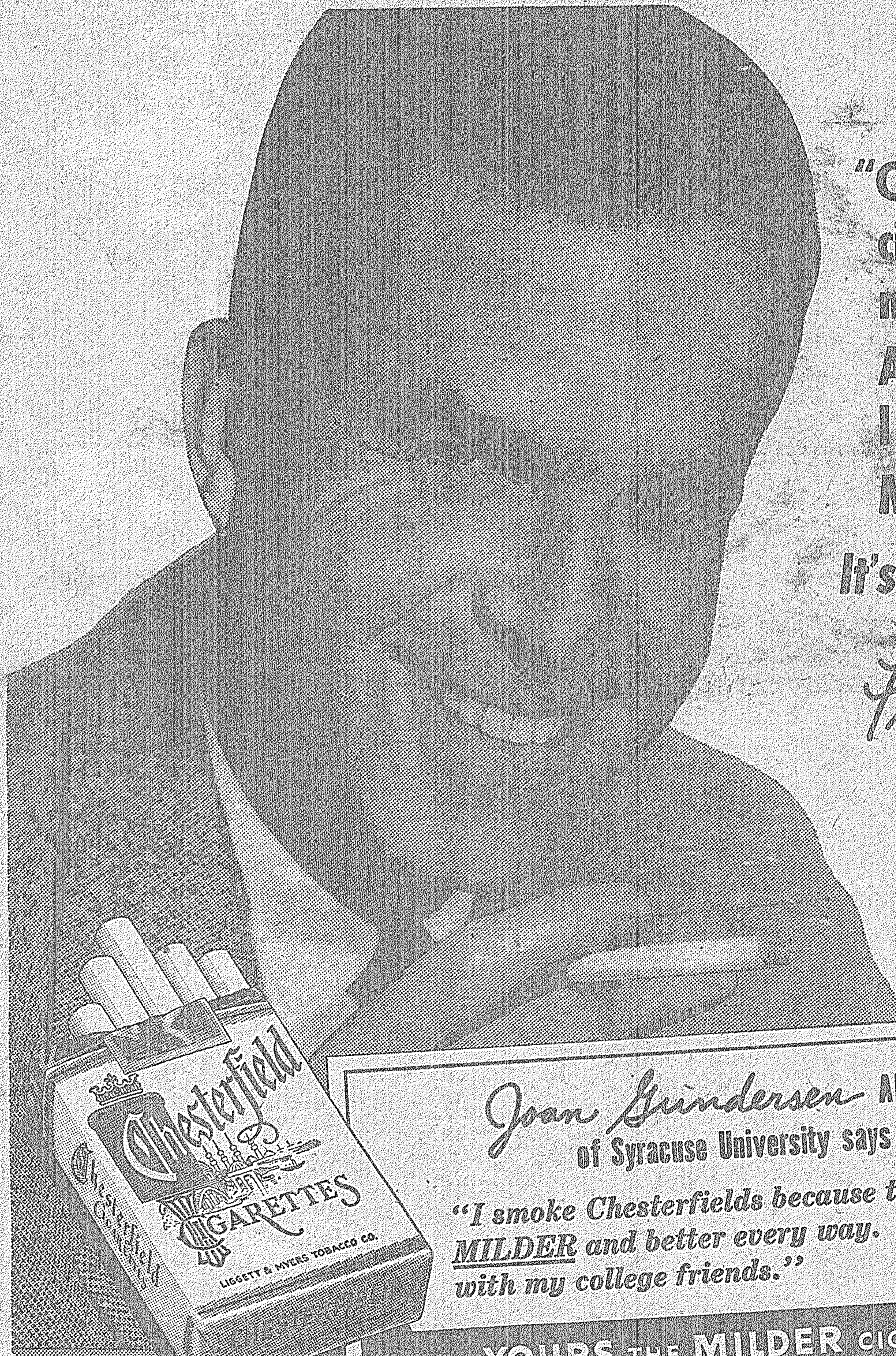
Students who plan on becoming registered professional engineers in the State of Illinois, can take their written examination before graduation instead of after a four year period since the passage of the Professional Engineering act, Arthur M. Kaindl, member of the Illinois State legislature and structural engineer for the city of Chicago stated in a speech before the ASCE Thursday.

The next examination will be held in May, and will be given here at school if there are 20 or more applicants, stated Senator Kaindl. Applicants must be eligible for graduation at the end of the term during which the examination is held.

This fact must be verified by their respective department heads. Forms for application may be obtained from the placement office at school or from the Illinois Department

of Registration and Education. After graduation, the applicant must notify the department by a certificate from the Institute that he has graduated.

Senator Kaindl, a graduate of Lewis Institute class of 1910, came before the group for the purpose of explaining and clarifying the law which, as he puts it, "is mighty important to every student in an engineering school because nearly all engineering graduates at some time or other will practice professional engineering as defined by the law, and in doing so, they must be licensed."



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