

TECHNOLOGY NEWS

Volume 50, No. 3

Illinois Institute of Technology, Chicago 16, Illinois

March 3, 1950

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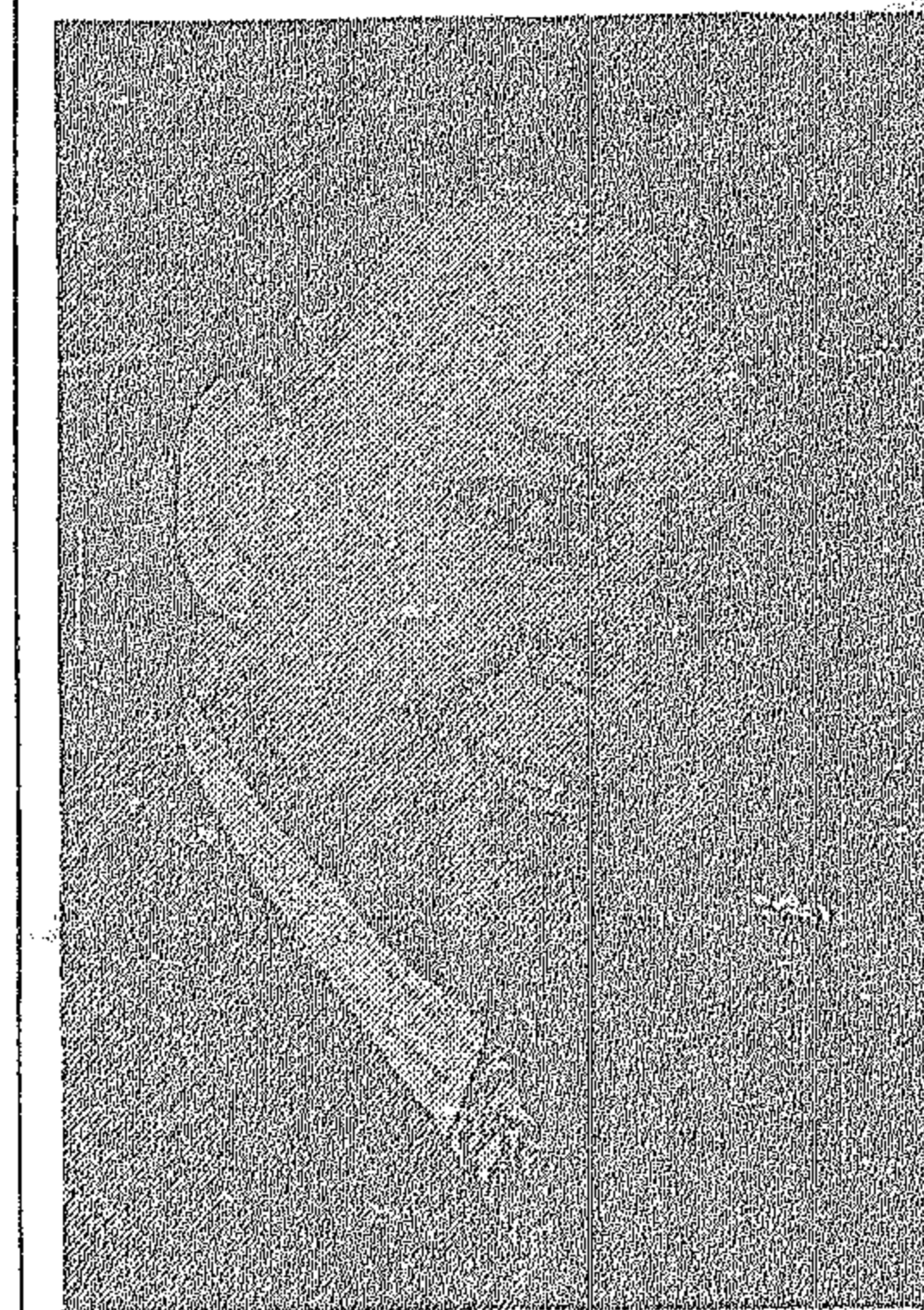
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It's a lovely pink, really

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Could this innovation of pink posts and other artistic improvements have been the influence of the Institute of Design?

Seniors to order class jewelry in student union

Seniors who have not ordered their class jewelry will have an opportunity to place orders for rings, keys and pins on Monday and Wednesday in the first floor lobby of the North Student Union.

Mr. R. M. Poehlmann, representative of Morgan's Inc., the company handling the manufacture of the jewelry, will be present between the hours of 10 a.m. and 3 p.m. with samples to assist those wishing to place orders. A deposit of \$5 is to be paid at the time of placing an order.

News in Brief

The Newman Club has announced that its first lecture meeting of the semester will be held Wednesday in 302M at 5 p.m. Father Joseph D. Connerton, chaplain of the Calvert club at the University of Chicago, will be the speaker. His topic will be "Life, Liberty, and the Pursuit of Happiness."

Techawks anxious to have their heads shorn at non-union rates will receive with enthusiasm the news that the IIT campus barber shop is once again in operation. During the past weeks business has been halted to make way for redecorating operations. The reopening yesterday also marked the introduction of a new manager, Ernest

Pirofalo, who formerly operated a shop at 31st St. and Princeton Ave. Rates will remain at the pre-redecorating level of 75 cents per longhair.

A meeting of the IIT Yacht club will be held Wednesday at 5 p.m. in 202MC to discuss forthcoming yachting competition. Anyone interested in competitive sailing should attend this meeting.

Jim Tyson, coach, and Warren Lieb, team captain, announced that a schedule has been set up for spring competition with other schools in the Midwest area. Those schools attending the Chicago area competition will be Notre Dame, University of Chicago, Northwestern, Wisconsin, and Minnesota, among others.

2c OFF

Per gallon of gas sold to any IIT student, staff or faculty member—as well as a nickel discount on oil, and expert grease jobs at a dollar.

JOE PASIK'S TEXACO SERVICE
29TH AND WABASH

P.S.—Just say "Illinois Tech"

At NORTHWESTERN and Colleges

and Universities throughout

the country CHESTERFIELD is

the largest-selling cigarette.*

PEGGY DOW

Beautiful Northwestern Alumna, says:

"My very first Chesterfield made me a Chesterfield smoker for keeps. They're Milder."

Peggy Dow

FEATURED IN

"WOMAN IN HIDING"

A UNIVERSAL-INTERNATIONAL PICTURE

DEERING LIBRARY
NORTHWESTERN UNIV.

Always Buy CHESTERFIELD

They're Milder! They're TOPS! — IN AMERICA'S COLLEGES
WITH THE TOP MEN IN SPORTS
WITH THE HOLLYWOOD STARS

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*By Recent
National Survey

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Grim fairy tale found buried in ITSA files

A few ITSA Board members, whose identities are being concealed, unearthed a weird manuscript buried in the dusty files of ITSA. It is not an official paper, brimming with parliamentary phrases, but an allegory. Its clever authors realized that its meaning could be best preserved in a fable, as were *Gulliver's Travels* and *Alice in Wonderland*.

ONCE upon a time, in the land of Itsa, lived the Hawke family. There were Poppa and Momma Hawke and their only son, Techie. They worked hard for many years to gather money to put Techie through school. Techie even worked summers in a screw machine factory and painted cars for a policy runner after high school.

Though Poppa and Momma Hawke wanted Techie to be a very brilliant fellow, they still couldn't afford to send him to M.I.T. Instead, Techie went to the village school.

As the first day of school neared, little Techie was wild with joy. He had great dreams of all he would do. He was going to be somebody. He was going to be active. Then the great day arrived. Momma and Poppa Hawke sent Techie off to his first orientation lecture at the crack of dawn. Patting his pointed little head, they said, "Come back smart, Techie," and little Techie skipped gaily away.

During Orientation Week, Techie heard all about the importance of studies and the value of activities. He saw upperclassmen who spoke to the new students. They had long chains from their belts to their pockets, heavy with shiny gold trinkets that were dragging on the floor. Little then did he realize their terrible meaning.

These men—they called them "senior advisors"—told him all about activities. Techie's face glowed with enthusiasm as he heard of them. There was the road to campus leadership. "Activities, them's for me!" cried Techie exultantly. With 87 activities to choose from, what was Techie going to do? Oh, what to do? Suddenly, he remembered that he had a campus leader who was to be his advisor. "That's who I'll see," decided Techie.

Some days later, Techie saw his counselor in the cafeteria, dissolving his lunch of hard tack and cleaning his slide rule with coffee after a grueling machine design quiz. Techie walked up to him

on tiptoe, and timidly tugged on the grimy senior's key chain. The ponderous chain clanked, and savagely, the senior turned to face the cowering Techie. Techie summoned his courage to blurt out, "Mr. Senior Advisor, what can I do about activities?"

"Go way, you bother me," the disturbed senior growled. He turned back to his work of relocating the fudge factor on his slide rule.

"But please, sir; it's important," Techie begged. "What about activities?"

"Activities, schmactivities!" roared the senior, his key chain support creaking dangerously. "All right, Techie, I'll tell you what; we have six kinds of outfits here on campus: dependent, semi-dependent, independent, de-active, semi-active and in-active. Take your pick!"

"Dependent? On what?, and Sir, didn't you forget active organizations?"

At this the senior's face blanched, and he shivered as he hissed, "Don't mention that word around here. It's dangerous and forbidden."

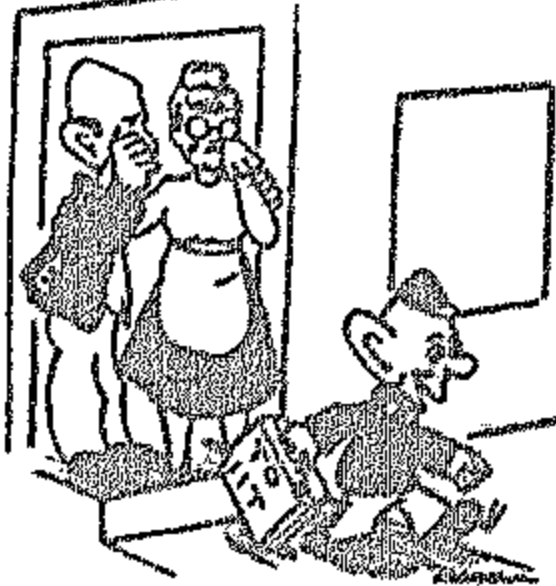
"Why?" said Techie innocently, scuffing his right toe behind his left heel. "Is it a dirty word?"

"It's worse," replied the senior, somber now. "If the Dragon of Apathya ever heard you say it, you would be stamped 'Non-profit' and thrown by Force onto a dark shelf in the bookstore."

The senior looked cautiously about to see if any one else had heard their conversation and then turned ominously to Techie. "Just remember never to say it or you may have to wear a prisoner's key chain like the one I am doomed to wear. Now beat it, kid, and keep your nose clean."

This being all the information Techie could get from his counselor, he walked aimlessly away thinking "Does this campus leader take me for a dope? Dragons at the village school!" "Huh," he snorted, as the sound of the two o'clock class buzzer filled the air.

Is Techie a dope? Is there a real Dragon at the village school? What does the heavy key chain signify? Don't miss next week's installment!



as I see IT

By ED MICHALIC

CURIOSITY IS GREAT for drawing people to Junior Week exhibits, but the thing that makes them stay at an exhibit and enjoy it is showmanship. Being just a kid at heart, I prefer visiting exhibits with a lot of action in them, or, if inanimate, having some clever twist that holds my attention. I feel right in thinking that our visitors are like-minded.

I get a bang out of sparks that fly at the touch of a button, wheels rotating furiously, and a personable demonstrator who builds up one's anticipation of every "trick" and avoids a dragging anti-climax. The crowd doesn't want to be assured that "these phenomena can be explained by implementing physical concepts"; they want a show, and short, snappy explanations, if any.



It's grand experience for students to explain the workings of exhibit devices; they learn a lot about their subject and about people, too. True, the audience stands in awe of the heedless undergraduate who can inject a few mysterious technical phrases into his spiel, but they resent an attempt on his part to explain a process at length in technical language.

From the demonstrator's point of view, I realize that there are others besides those who tire quickly of the novelty and wish to move on. Some want more than a short explanation and will seek out a student or instructor in private.

Then there are those in the group who want to show their girl friend how smart they are. They will ask the demonstrator questions, trying to confuse him, or lacking that bravado, carry on a "private" explanation for their girl that everyone else can hear.

Rather than leave Junior Week display assignments to the last minute, as usual, I urge department committees to start picking men early and inspiring them with the spirit of showmanship. Of all considerations for student exhibitors, the qualities making for naturalness and ease of expression should be most sought, even over grade point average.

How about a parade?

To the Editor:

I wonder if anyone has ever thought of having a good old-fashioned, rip-roarin' parade as an integral part of the Junior Week festivities at IIT? At other schools, insofar as I have personally observed, parades of this type are very much in evidence for almost any type of occasion. Contrastingly I have been here for almost two years now without having seen a single parade, excepting the daily one to the 'L' at 5 p.m.

The enthusiasm with which the frats decorate their houses during Junior Week seems indicative of the enthusiasm with which they might attack a project of this type. The many organizations on campus could certainly make such an event an outstanding success.

I am not pretending that a project of this kind is easy to carry out, but I do think it a worthwhile one. Those actively engaged in campus organizations have become so with the purpose, at least in part, of gaining further recognition for Illinois Tech. And, to my mind, there is no better publicity stunt than a rootin'-tootin' all-out parade.

P.V.C.

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Slipstick

A local policeman stopped his squad car and hailed an inebriated gentleman who was making his dubious way down the street.

"Hey, you!" he shouted, "where are you going in that condition?"

"Gonna work," mumbled the drunk.

"Oh yeah," growled the officer, "what kind of work can you do in the shape you're in?"

"Minin'."

"Minin' what?" persisted the cop.

"Min'in' my own damn business," snapped the drunk, "and why don't you do the same?"

I had sworn to be a bachelor;
She had sworn to be a bride;
I guess you know the answer;
She had Nature on her side.

Little pay check, in a day,
You and I will go away
To some gay and festive spot;
I'll return but you will not.

"Well, my father has another wife to support."

"Bigamy?"

"Naw, I got married."

A young lady, aboard a fast streamliner, leaned out of her berth in the Pullman, and looked up and down the aisle eagerly.

Spying a young man, she asked, "Do you have the time?" "No," he replied, "nor the inclination either."

It has been rumored that King Solomon was the first UMW member because he took his pick and went to bed.

Father: "Late hours are bad for one."

Son: "Maybe, pop, but I ain't alone."

The progress that a young man makes with his girl friend depends on whether the oil he's using is refined or crude.

Techawk, to pretty girl: "Baby, the birds do it. Honey, the bats do it. Sweetie-pie, the little bees do it."

Girl: "Are you suggesting that I take flying lessons?"

When you get slapped, she may not be wanting to hurt your feelings as much as she wants to stop them.

"I was looking at all the styles this afternoon. One dress shop either hadn't dressed the mannequins or the women just aren't wearing anything this spring!"

First Co-ed: "Jimmy is grand, but I think all men are trying, sometimes."

Second Co-ed: "Men are trying all of the time, dearie."

Be seein' you soon enough again, fellas, so don't get excited!

Carbolic Gussie.



UNIDENTIFIED STUDENT works on sound system piping music to Student Unions. Spot announcements and recorded campus commercials will soon be started.

New regulations set on use of PA system

Definite policy regarding the use of the rejuvenated P. A. system was released this week by Cliff Nelsen, commissioner of the student unions, and Vern Keenan, chief technician in charge of the public address system. For two or three minutes every half hour transcribed newscasts will be broadcast to the student unions. Commercials will have to be recorded, Nelsen said, and a charge of one dollar will be made to cover the transcription costs. Recordings can be furnished by the advertiser. There is a rate of ten cents per announcement, with a limit of two repetitions per day.

The system now has individual controls for the different speakers, a preamplifier on the stage in the auditorium, and a hook-up with the chimes in the NU tower. Authorized technicians pipe FM music over the unit, while an announcer stands by to make any spot newscasts. Application for use can be made to either Keenan or Nelsen.

tech timetable

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

FRIDAY, MARCH 3

AIEE, 9 a.m., NU aud.
Chess club, 4 p.m., SU lounge
Dean's kaffeeklatsch, 4 p.m., Exec. conf. room
IVCF, 5 p.m., AH conf. room

MONDAY, MARCH 6

Placement meeting, 9 a.m., NU aud.
Placement meeting, 9 a.m., Exec. conf. room
Placement meeting, 9 a.m., Dean's conf. room
Campus Players, 5 p.m., NU lounge
Rho Epsilon, 5 p.m., IHC room
Armour Eye, 6:30 p.m., Exec. conf. room

TUESDAY, MARCH 7

AIChE, 1 p.m., 115CB
ASME, 1 p.m., 131MC
Freshmen health class, 1 p.m., 302M
ITSA, 1 p.m., Exec. conf. room
IH council, 1 p.m., AH conf. room
Music clubs, 1 p.m., NU aud.
Optics and Astronomy club, 1 p.m., 104MC
IAES, 8 p.m., 131MC

Dear Sir:

—Having trouble writing employers for job possibilities?

Read page 7 for hints on how NOT to do it.

WEDNESDAY, MARCH 8

Alpha Chi Sigma, 5 p.m., 108MC
Campus Players, 5 p.m., NU lounge
Newman club, 5 p.m., 302M

THURSDAY, MARCH 9

ACS, 1 p.m., 115CB
Music clubs, 1 p.m., NU aud.
Record concert, 1 p.m., 131MC
AAUP, 4 p.m., 104MC
Mech seminar, 4 p.m., 101MC

FRIDAY, MARCH 10

Chess club, 4 p.m., SU lounge
Dean's kaffeeklatsch, 4 p.m., Exec. conf. room
Campus Players, 5 p.m., NU lounge
Alumni movies, 8 p.m., NU aud.

Bust lab acquiring better location, bigger machines

As students returned to school last September they found trenches dug throughout the campus to obstruct traffic between classes. At the beginning of this semester Psychology students again walked around in utter confusion, for they had been evicted from their time-honored classroom, 7B2, where installation of machines for the new "bust lab" is being brought to a close.

Kenneth Milbradt, instructor in the CE department, supervising the installation proceedings, revealed that about eight or nine machines have been set the past week. Mr. Milbradt stated that an 800,000-pound universal testing machine was contributed to the lab by the Carnegie-Illinois Steel corporation. A similar 400,000-pound machine is being moved from the

wood lab at 33rd and Dearborn streets.

Negotiations with the Government were completed for a huge 300,000-pound inch torsion tester which was formerly leased by the Tucker plant.

"The students will find the new lab more interesting and comprehensive," said Mr. Milbradt. "It will also help to eliminate the intersecting works of graduate students and undergraduates," he concluded.

Fellowship offered in paint study

W. A. Lewis, dean of the graduate school, announced February 23 that a graduate fellowship in chemical engineering has been established at Illinois Tech by the Federation of Paint and Varnish Production clubs. The fellowship leads to a doctor of philosophy degree in chemical engineering and includes a grant of \$1,350 and \$660 tuition for two semesters and a summer session. The fellow selected will engage in research on fume recovery in varnish plants.

Applications should be sent to the dean of the graduate school before July 1, 1950.

Committee work manages activity in fraternity life

By Bruce Bourne

Many students are not familiar with the organization of the fraternities on the campus. A fraternity is a closely-knit organization that stresses companionship and close friendship. As in any organization, chapter officers are in direct control over the group. Fraternities differ from other organizations in their heavy dependence on a committee system for organizing their activities.

The committee is an integral part of the fraternity. Every member is placed on a committee which serves as a testing ground of leadership and worth. This opportunity for committee work is not as evident in clubs where the functions of the group are frequently relegated to the officers.

Another characteristic that adds to the closeness of fraternities is the individual contact every day between members. This creates an opportunity for better understanding and tolerance not ordinarily present in clubs.

The unified direction provided by the interfraternity council and the alumni is lacking in most clubs.

Classified Ads

Call Ext. 404

WANTED—old (1925-40) electric trains, 0 gauge, Lionel, Amer. Flyer, Ives, in any condition. Don't let old ones rust away in basement or attic. Drop list of stuff and price wanted in Tech News office.

ADMIRAL PHONO-RADIO — Walnut console \$50.00; pair new blond end tables. GR. 6-1452.

FOR SALE—2 new Supercushion tires, 6.70-15; unused, \$25.00. Call after six—VA. 6-5010.

LOST: Text book, "Administrative Law," by Walter Gellhorn. Return to Ira Rakley, VI. 2-8734.

168 HOUR WEEK—Civilians and veterans, identify with the best, improve personally, win friends, earn pay, travel. Your investment—two hours per week plus continual esprit. Name and phone number to MARINE, Campus P.O. Box 171.

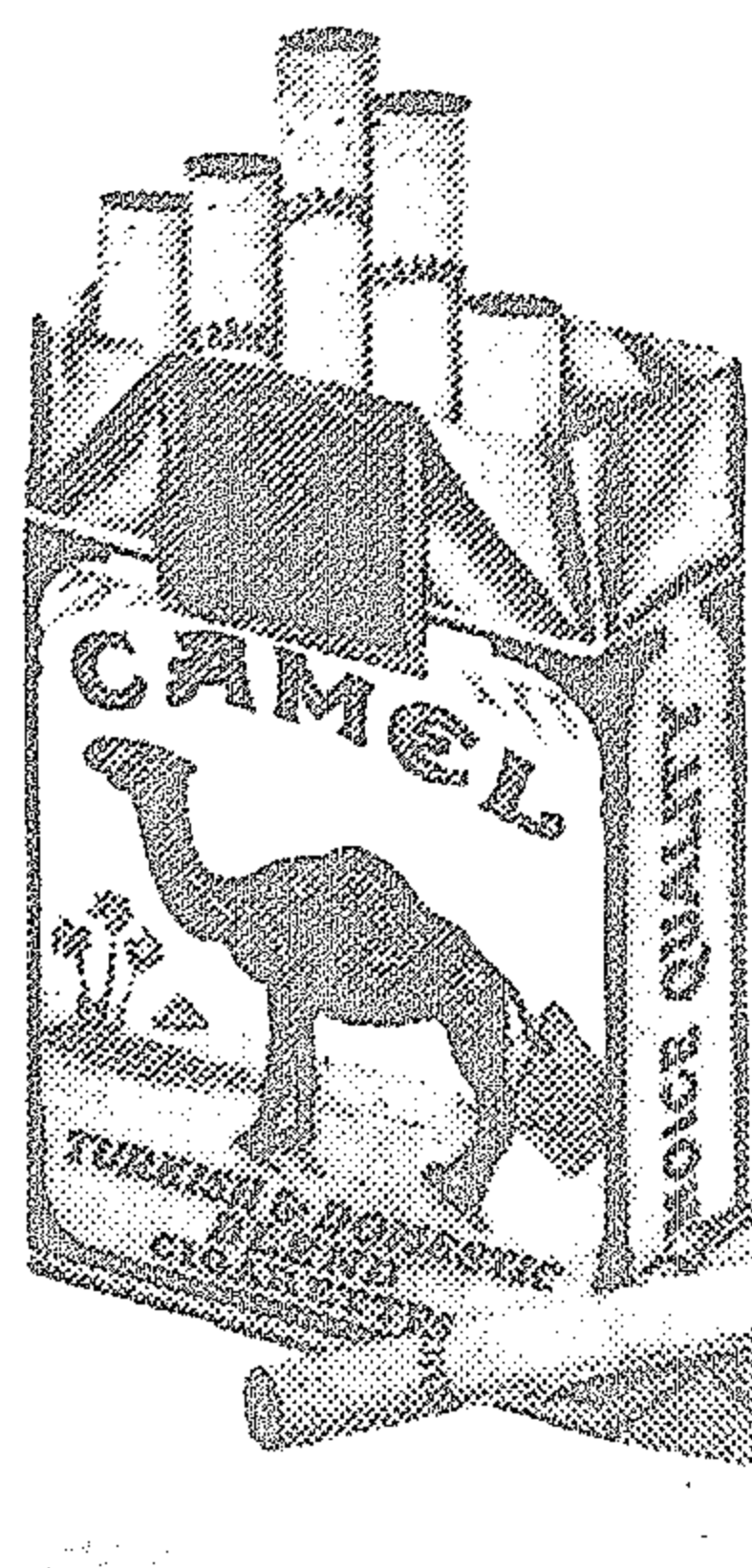
APT. TO SHARE—Male student will share 3 room apartment, south. Call Dave Westbrook, South Shore 8-1010.



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Camels,
of course!"

WITH SMOKERS WHO KNOW... IT'S

Camels for Mildness!



Yes, Camels are SO MILD that in a coast-to-coast test of hundreds of men and women who smoked Camels—and only Camels—for 30 consecutive days, noted throat specialists, making weekly examinations, reported

NOT ONE SINGLE CASE OF THROAT IRRITATION due to smoking CAMELS!

INTERESTED IN PUBLICATIONS?

The first of a series of orientation meetings for applicants to campus publications will be held Thursday, March 9 at 1 p.m. in 101 MC.

**PROVE
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NO CIGARETTE HANGOVER

when you smoke PHILIP MORRIS!

**HERE'S
ALL YOU
DO!**

In just a few seconds you can prove
PHILIP MORRIS
IS DEFINITELY LESS IRRITATING
than the brand you're now smoking!

**1... light up a
PHILIP MORRIS**

THEN, just take a puff—DON'T INHALE—and
s-l-o-w-l-y let the smoke come through your
nose. Easy, isn't it? And NOW...

**2... light up your
present brand**

Do exactly the same thing—DON'T INHALE.
Notice that bite, that sting? Quite a difference
from PHILIP MORRIS!

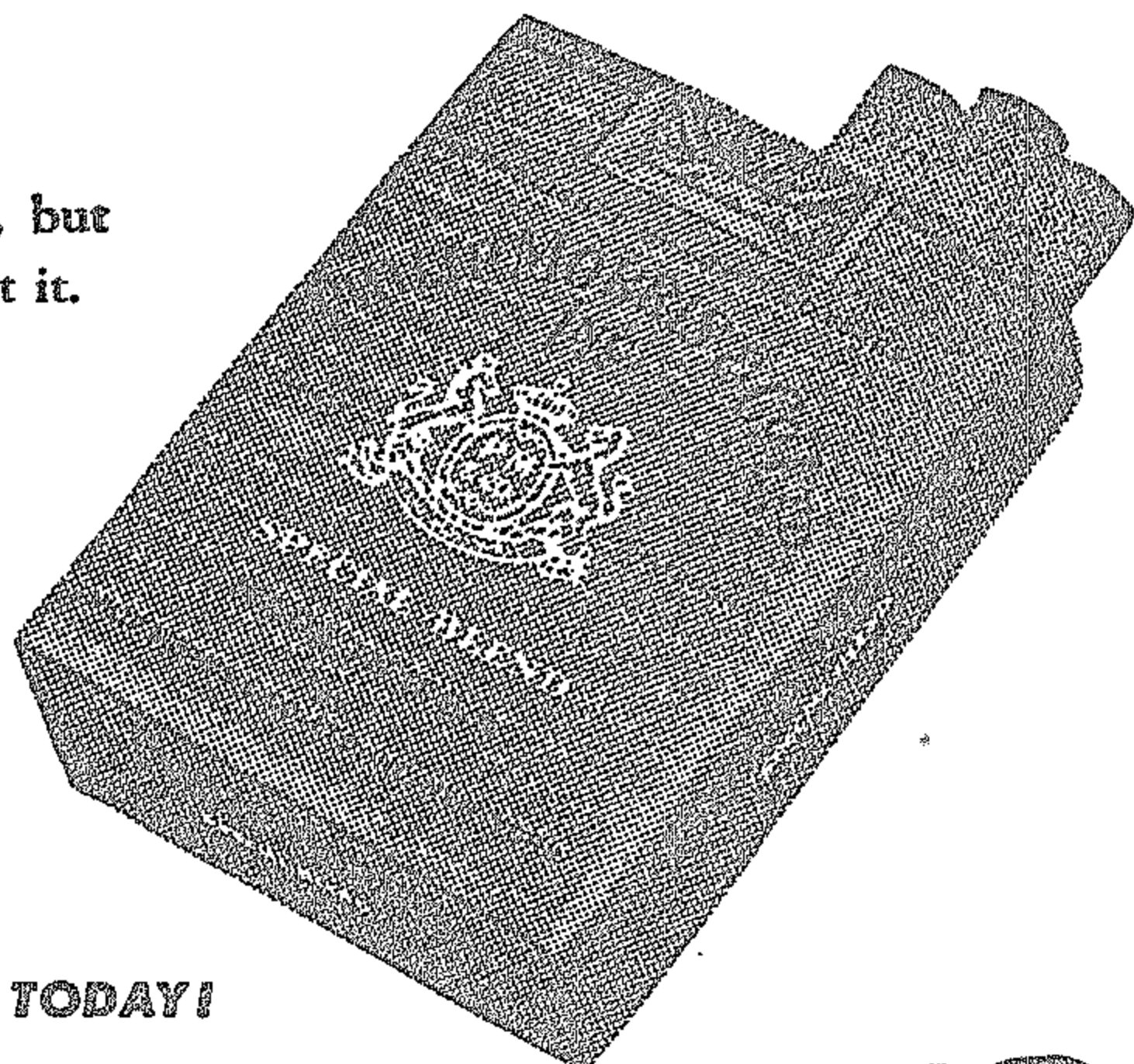
NOW YOU KNOW WHY YOU SHOULD BE SMOKING PHILIP MORRIS!

Everybody talks about PLEASURE, but
only ONE cigarette has really done something about it.

That cigarette is PHILIP MORRIS!

Remember: less irritation means more pleasure.
And PHILIP MORRIS is the ONE cigarette proved
definitely less irritating, definitely milder,
than any other leading brand.

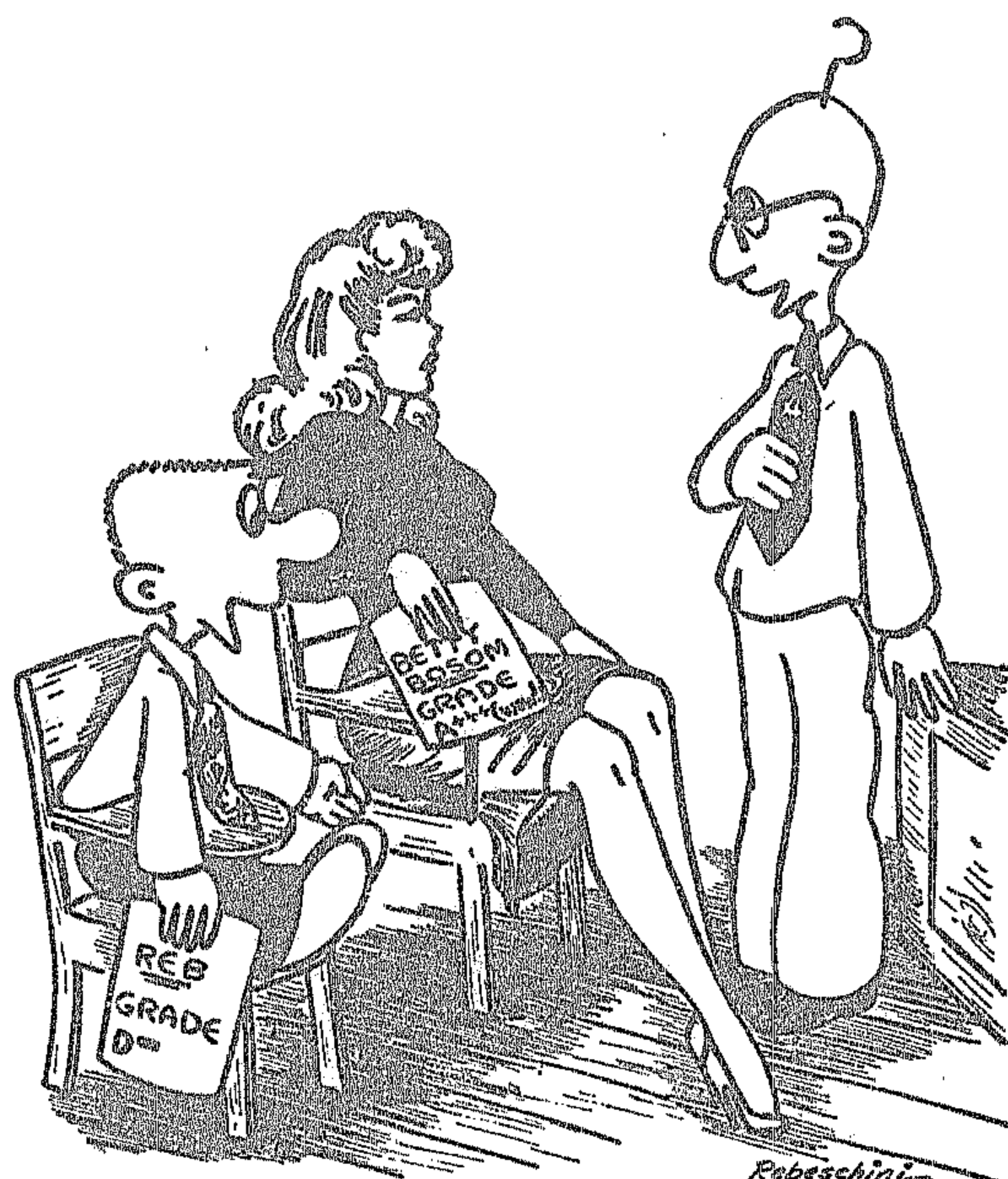
NO OTHER CIGARETTE
CAN MAKE THAT STATEMENT.



YOU'LL BE GLAD TOMORROW—
YOU SMOKED PHILIP MORRIS TODAY!

**CALL
FOR PHILIP MORRIS**

IN COLLEGE WITH "REB"



As you know, we mark on the curve in this class

Seniors will contribute to freshman guidance

For the first time this semester incoming freshmen are receiving individual attention on non-academic problems. Fourteen seniors who are leaders in campus affairs have been appointed by the Admissions office to be "big brothers" to groups of six or seven freshmen during their first semester in college. Bob Cunningham, admissions counselor, and coordinator of freshmen affairs, explained: "What we are concerned with is individualizing orientation."

Cancer research to be conducted by ARF

Discovering what accelerates the abnormal cell growth we call cancer will be the aim of a new study at the Armour Research Foundation. The investigation will attempt to verify results obtained from a rabbit cancer tissue which apparently stimulates the growth of cancer.

Results reported after four years of ARF study will provide the basis for the project. The reports describe the unique properties of an ethyl ether extract obtained from Brown-Pearce rabbit cancer tissue.

Administration of the extract to cancer-bearing rabbits accelerates the growth of cancer and reactivates quiescent transplants. In healthy rabbits, the material does not produce cancer, but it does result in the formation of demonstrable anti-cancer bodies in their blood serum.

Cancer-free rabbits treated in this way are highly resistant to the subsequent transplantation of at least one type of rabbit cancer. The blood serum of such cancer-resistant rabbits slows up the growth of one type of rabbit cancer and several types of human cancer, the latter observation having been demonstrated in a small series of clinical tests.

Properties of this extract will be studied for possible prevention of cancer through immunization by the active material in the extract and treatment of cancer through the use of rabbit blood serum.

The program is experimental; its object is to assist the student to adjust to the new environment, to give him individual attention, and to encourage him in extra-curricular activities. With this in mind, Mr. Cunningham has planned three meetings during the term; the first, "Orientation in Engineering," to explain the objects of an engineering education. The second and third meetings will deal with the individual and with an explanation of student government.

Each of the senior advisors meets informally with his group several times during the semester to discuss individual problems and to answer questions of a non-academic nature. The men who have been chosen to act as advisors include the president of ITSA, president of the senior class, editors of student publications, and leaders of other student activities.

Power men seek thrift in confabs

The twelfth annual Midwest power conference, featuring the theme "Economy in Power," will be held April 5 to 7 at the Sherman Hotel.

R. A. Budenholzer, professor of mechanical engineering and director of the conference, announced that it will consist of 26 sessions, including three luncheons and the annual all-engineers' dinner. A wide variety of papers will be presented by leading authorities of the power industry.

The conference is sponsored by Illinois Tech with the cooperation of nine other Midwestern universities and nine local and national engineering societies.

Further information may be obtained from Dr. Budenholzer or Edwin R. Whitehead, conference secretary.

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"Big George" plays last game tonite

Tech Sports

Greatest center in Tech history leads team against Concordia

By Larry Shapiro

At 8:00 tonight, Captain George Scalamera will lead Glancy's Gladiators against Concordia on their River Forest court. The varsity will be out for their eleventh win of the season and the eighth in their last nine games. Our "beautiful" win string was snapped by Navy Pier, Tuesday, 48 to 41. Scalamera and Chuck Beilfuss of the Chi-Illini split the scoring honors with 19 points each.

"Big George's" 19 point splurge enabled him to break the Tech season scoring record of 279 (set by him last season). He has a total of 286 points as he enters tonight's game. His 100 field goals and 86 free throws not only make him the highest scorer the Scarlet and Gray has ever had, but give him a per game average of 19.1 which places him among the top scorers in the country.

Besides his very valuable scoring talent, George has been the wheel horse of the team, doing yeoman work under both the offensive and defensive backboards all season long.

Tech's number one gunner has been consistent on his free throws, meshing 86 out of 138 for a percentage of 62.3.

Scalamera has done all this scoring despite the "loving" attention given him by at least two players on every team Tech has opposed.

We have tried to present a picture of what George Scalamera has meant to Tech basketball. However, mere statistics do not tell the entire story. George will of course be missed for his playing ability, but he will perhaps be best remembered by his coach, his teammates and his friends for his great friendliness and spirit of competition.

The loss to Navy Pier was a replica of bygone days. The boys couldn't seem to get their bearings; there was no resemblance to the five which had won their last seven games.

Navy Pier lead by Beilfuss and Dick Gainer jumped off to a quick 8 to 3 lead, but Tech, with Tommy Goralka and Scalamera doing the scoring pulled up to a nine all tie. It was nip-and-tuck for a few moments, and our varsity seemed to be settling down.

However, with the score 17-15 against us, the team swooned. Eight minutes went by before we scored another point; while the

Illini started cutting our zone defense to pieces. The first half finally ended with the scoreboard reading Illinois Tech 17-Navy Pier 31.

Following the second period tip off the action slowed down. The Hawks shifted to a man-for-man defense, which brought the Illini offense to a crawl, but Tech still couldn't seem to unravel itself.

With about twelve minutes to play the varsity seemed to suddenly wake up, and with George, Howie Gardner and Bob McCue tallying quick buckets, Navy Pier's "insurmountable" lead began to vanish.

This valiant scramble slowly edged the Hawks back into the game. However, the constant pressing by Tech caused foul after foul to be called against our men, and it soon became a question as to whether or not Tech's surge would be ended by the clock or by the referees.

There was still hope as Tech pulled within four points of the Pier with four minutes to go. Then Gardner, Scalamera, and McCue fouled out; and Illinois Tech's winning string was no more.

BOX SCORES

Illinois Tech 34-Aurora College 51				Illinois Tech 17-Navy Pier 31			
fg	ft	pf		fg	ft	pf	
Leiser	4	1	0	Mauer	2	2	0
Moeck	8	1	1	Nelson	4	0	1
Gardner	3	0	3	Puklin	1	0	0
Peterson, P	0	0	2	Berg	1	1	1
Scalamera	2	1	4	Chambers	4	2	4
Urasky	1	0	1	Pauli	0	0	2
Schultz	2	1	0	Greger	0	0	1
McCue	5	0	1	Hillwick	3	7	0
Peterson, R	2	0	2	Brackett	3	0	2
Goralka	7	0	1	Janavian	0	0	1
Maatman	1	2	0	Brooks	0	0	0
Hall	1	0	2	Bullard	1	1	0
Burke	2	0	1				
Heorsema	1	0	1				

Halftime score: Illinois Tech 39-Aurora 22.

Illinois Tech 41-Navy Pier 48				Illinois Tech 17-Navy Pier 31			
fg	ft	pf		fg	ft	pf	
Leiser	1	1	2	Behrens	1	0	0
Hall	0	0	0	Wolinsky	1	0	3
Gardner	3	0	5	Beilfuss	6	7	3
Moeck	0	1	4	Gainer	2	3	2
Scalamera	7	5	5	Stewart	0	0	0
Urasky	0	0	1	Kozlowski	2	1	3
McCue	1	2	5	Mandell	0	0	0
Peterson, R	1	0	1	Du Fore	5	3	2
Goralka	3	0	4	Robinson	0	0	0
Maatman	0	0	1				

Halftime score: Illinois Tech 17-Navy Pier 31.

Seals face city's best tankers in U of C Tournament tonite

By Joe Rodgers

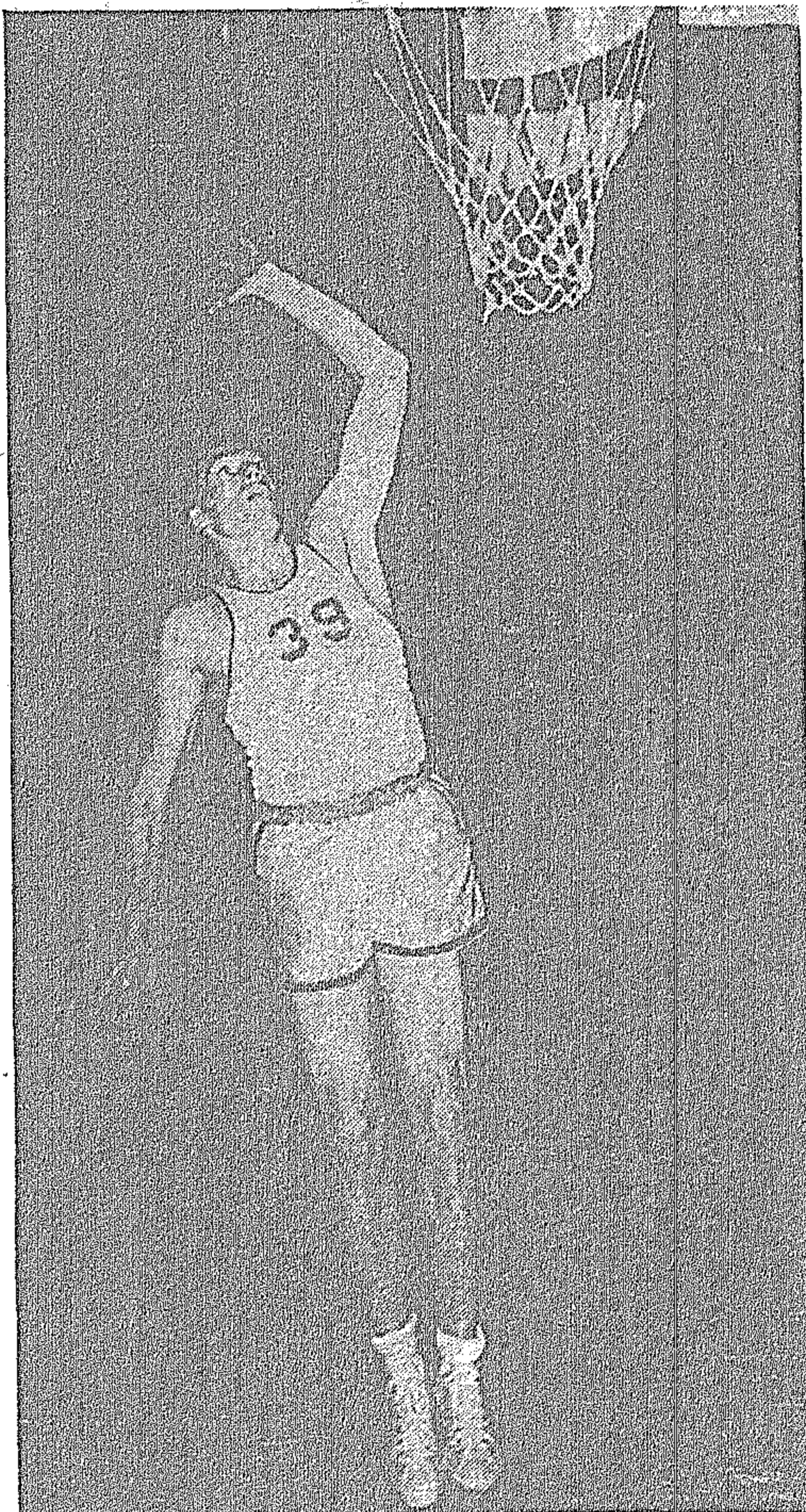
Tonight the Illinois Tech swimmers return to the waters of the University of Chicago to meet some of the finest collegiate aquamen of the Chicago area in the City Invitational Championship meet sponsored annually by the U. of C. Leading the squad in their attempt to better last year's effort will be Ramon Klitzke, team captain, and defending champion of the fancy diving event.

Ray will be up against tough competition in the persons of Ackerman and Haggerty of Loyola, Haggerty having been beaten by Ackerman since he bested Klitzke in the IIT-Loyola dual meet early in the season. Hopes are also pinned on Ted Erickson in the 1,500-meter event and Jerry Zichterman in the individual medley. This will be the first time these events have been swum in this meet.

In last year's contest, the second running of the city championships at the U. of C., the Seals took third in the senior division behind the hosts, the University of Chicago, and De Paul. The team fared better, however, in the intermediate division by winning over Navy Pier and Loyola to place first by a narrow margin. The preliminary races will be staged tonight at Bartlett Gym beginning at 7:00. The intermediate finals being held tomorrow at 10:00 a.m. and the senior finals at 2:30 p.m.

In their final dual meet of the season last Friday night against Illinois Wesleyan, the Tech swim squad eked out a 39-36 win to finish a tough schedule with 5 wins and 5 losses. Victories by Takata in the 150-yard back stroke event and by Carlman in the 200-yard breast stroke race were the extent of the first place marks made by individual IIT men, although the IIT combination of Campbell, Zichterman and Takata started the meet off in the right direction with an easy victory in the 300-yard medley.

Forcing the Scarlet and Gray to be satisfied with seconds and thirds the Wesleyan swimmers tied up the meet with wins in the next three races and the fancy diving, in which Smiley performed flawlessly to win by a narrow margin over IIT's Klitzke and Brown. In the back stroke and breast stroke events, however, the Tech mermen came back with a vengeance, winning first and second places in each. A second by Erickson in the 440-yard event clinched the meet for the local boys in the closest meet since the Navy Pier clash.



CAPTAIN GEORGE SCALAMERA practices one of his deadly shots.

IM cage nears close; volleyball to follow

By Sonny Mann

As the IM basketball tourney nears the finish line, preparations for the IM badminton and volleyball tournaments are being made. Entries for both sports are now being accepted and must be in no later than 5:00 p.m. on Tuesday, March 8. Entries should include free hours available.

The IF's (5-0) clinched the D league title by smothering the Gas House boys 45 to 25 to join the Whiz Kids (5-0) as the only undefeated IM basketball teams.

The Wolves took over the C division by ripping the up-to-now unbeaten Sharks 48 to 40. Greg Haugan hit 18 points for the losers. Both teams have lost only one game and are destined to meet again to see who goes to the playoffs.

Farr Hall stayed in the A league race by quenching the Fire Proteks 29-28 while the Rasslers whipped the NROTC sailors 26 to 20. The Rasslers then walked off with the title on Tuesday beating Farr Hall by a 23 to 20 score.

The finals will be played in the afternoons of Tuesday and Thursday, March 7th and 9th and this will settle the IM basketball question until the IM-IF final.

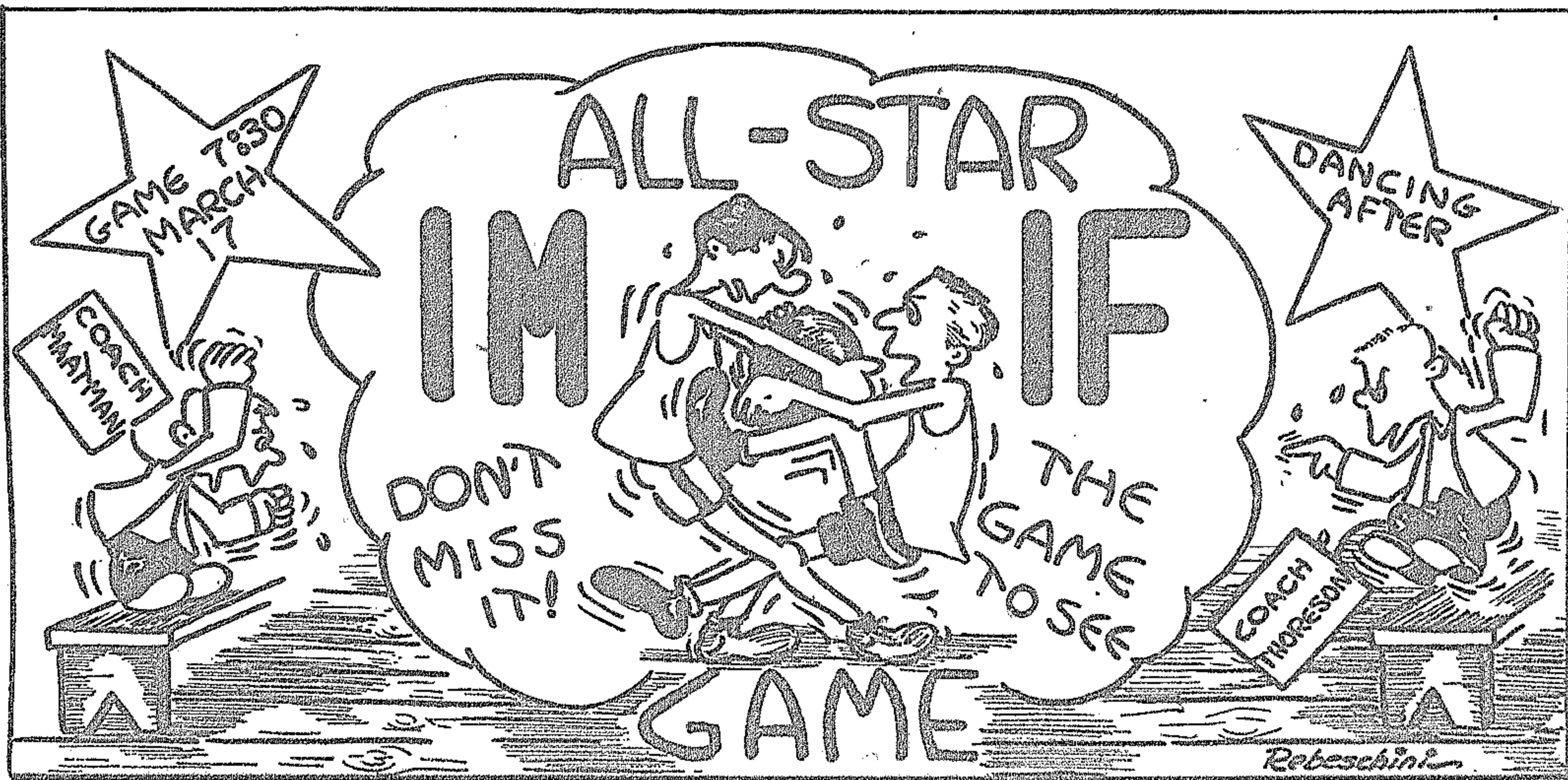
Coaches named for annual Tech News IM-IF All Star cage classic

By Marv Feldman

March 17 is the date . . . ! For what you ask? Why for the annual IM-IF All Star spectacle sponsored by TECHNOLOGY NEWS, featuring the brightest stars of the Intramural and the Interfraternity basketball leagues. Last year the cream of interschool competition played to a tremendous overflow crowd, with the favored and loaded IM All Stars coming out on the long end of a 47-31 score.

But before the teams come the coaches. The outstanding mentors of each league have been selected by TECHNOLOGY NEWS to pilot their respective All Star squads. From the IF circuit, Bob Thoreson of the league leading Theta Xi quintet will match wits and strategy with IM All-Star Coach Jerry Maatman of the Wolves. Thoreson will be assisted by Claude Herick of the Alpha Sigs, while Maatman's "aide de camp" will be Carl Moeck of the NROTC team.

The All-Star selections will be completed this week and will be announced in next week's TECHNOLOGY NEWS. The IF squad will be selected by a committee of coaches from each house, while the IM All Stars will be chosen by a committee consisting of sports-writers of TECHNOLOGY NEWS, referees, and the IM director.



Ticket sales soar as entries swarm in for Tech Relays

By Dave Miller

No running of the Illinois Tech Relays would be complete without John Schommer, former Tech athletic director, who originated the games in 1928. "Uncle John" has consented to act as referee for this year's meet.

Reserved seats for the relays will be available at the gymnasium until they are sold out for the price of \$1.50. Sonny Weissman and Ed Glancy will handle the ticket vending to avoid scalping.

General admission will go on sale for \$1.00 at the University of Chicago Fieldhouse, 56th and University, at 6:30 on the night of the relays, March 11th.

While the Hurons of Michigan State Normal are granted the title to the college division of the 19th annual Illinois Tech relays by the experts, there are some who are hinting at an astonishing upset. (Such upset to consist of any team getting half the score of the Normals.)

With balance in every event the Ramblers of Loyola have come up with a team this year which on paper looks as if it has a chance to give Michigan Normal the proverbial "run for their money."

With several members of last year's fifth place team strengthened by freshmen and transfer students, the Ramblers look better than ever. Best of the new men is Bill Conrady, who formerly added his points to Loras College's score. Conrady won the mile in last year's meet and will be available for duty on Loyola's relay teams as well as for defending his crown.

Conrady's performances in the mile and half-mile this year show good indications of bettering his time if not the mile record in the college division. Following in his footsteps is Bob Majeski whose consistent improvement marks him for a heavy share of baton toting.

Chuck Wittingham will be competing in the dash and broad jump as a favored contender to move lazy, record-busting Garion Campbell to better performances. Jim Kelly, a new two-miler who has been pushing 9:30 for the event in

this early part of the season, may step down to the mile to give Loyola a one-two punch in that event as well as serving as little time as necessary on the two-mile relay team.

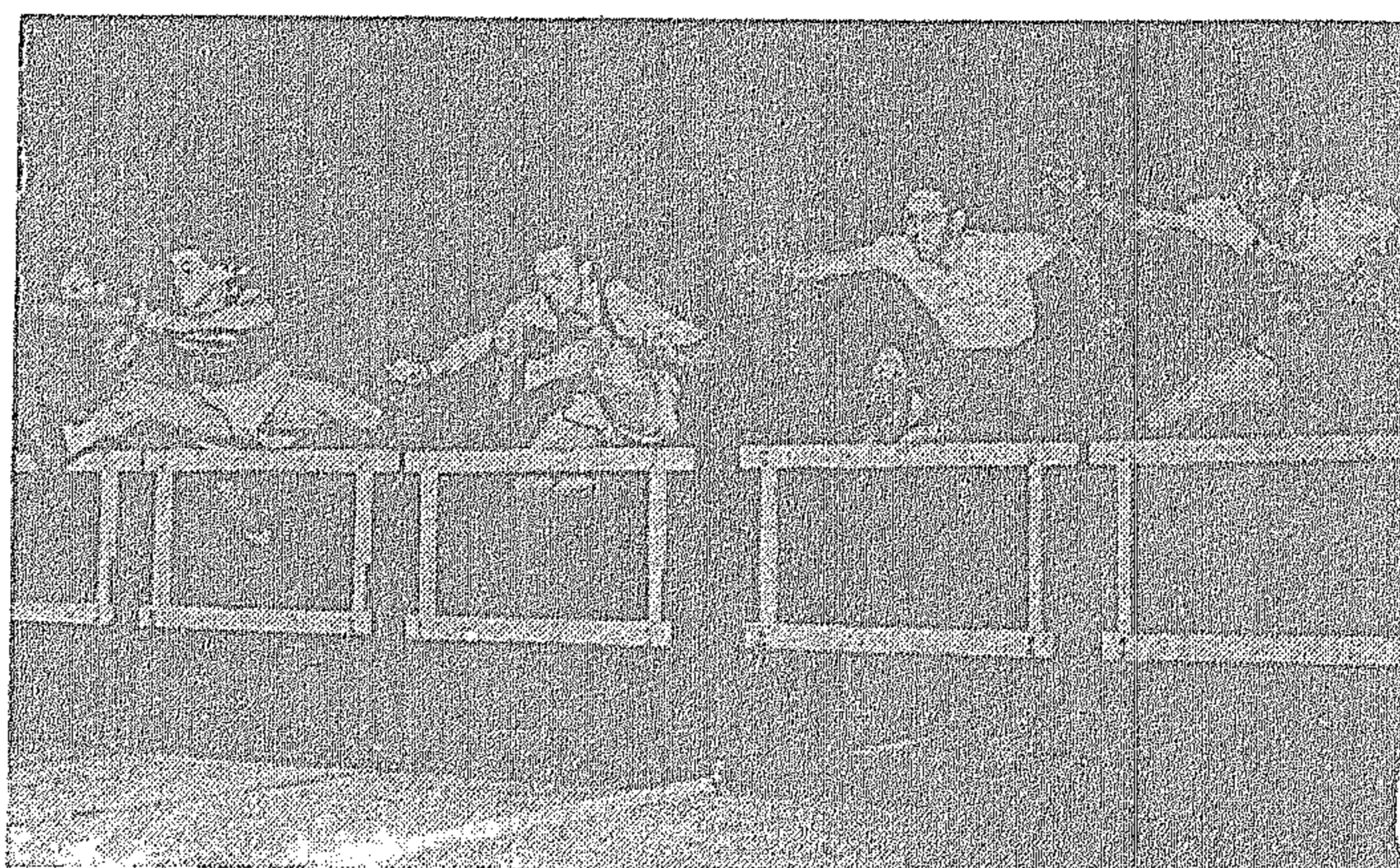
Kelly set a new fieldhouse record in a triangular meet with North Central College and Illinois Tech at North Central last week.

Entries in the university division this week include a power-laden squad of 25 from Notre Dame and a 30-man entry from Marquette. The Fightin' Irish are headed by record-breaking Bill Fleming, bespectacled hurdle champion of last year; John Smith, a fleet sprinter; and John Helwig, husky shot putter, as well as several potent relay teams.

The Hilltoppers of Marquette can boast Jerry Pharr in the high and broad jumps and Mel Stroud in

the sprints. The Hilltoppers have always been contenders in the relay events and should not make this year an exception.

Already chosen for the Catholic High School half-mile relay, the six top teams are busily practicing for the event. Mr. Carmel, Loyola, St. Elizabeth, St. George, De Paul and another of the perennially strong St. Ignatius teams are expected to provide another close race. The contenders for the Public League title will not be known for another two weeks. These relays are always a favorite event since they bring together for the first time each year the top high school relay teams in the city. Some of the possibilities in the Public League event are the perennially powerful Hyde Park and Schurz teams, and also this year strong teams from Lane Tech, Dunbar and Austin.



LED BY ONE of the flashes from Michigan Normal, the hurdlers take the first leap in last year's Relays.

Tech cindermen slaughtered in three way meet last week end

By Don Anderson

Last Saturday Tech's trackmen suffered a humiliating defeat at the hands of Loyola and North Central. Prior to the meet it was thought that IIT would give North Central a battle for second place, but instead North Central racked up 43 points to Tech's 4, while Loyola earned 82 points to take first place. Tomorrow Coach McCauley will

send a token squad to North Central for the annual Midwest Inter-collegiate Track and Field Meet at Naperville. These boys are in no condition to earn points at this meet but, instead, are going in order that they may gain experience and conditioning for future meets this season.

Looking at Sports

by Larry Shapiro



There was mayhem at North Central last Saturday. Our track team was ground under the "spikes" of Loyola and North Central. The week before we scored a meager three and one-third points in the "Chicago Four" meet.

Showings such as these not only damage the morale of the track team, but are very poor publicity for the school itself. Several persons (not connected with Tech) have rather pointedly inquired if those were the type of performances to be expected of Tech students.

There are valid reasons for these unfortunate happenings. We have absolutely no facilities for indoor track practice either on or near the campus. There is no organized daily practice session because of the varied class schedules of the squad members and the coach.

With such difficulties, it is easy to see why men who last year were on a par with teams like North Central, are not in good enough condition to even make a contest out of a race this year.

Excuses are fine, but such a condition must be remedied. There are two courses of "cure" which may be applied. The best of the two is that the Administration make an honest effort to help the athletic department provide Coach MacCauley with the barest essential for a track team—an indoor track upon which the team members could get the necessary practice.

The second path would be the course of the weakling—give up track. I believe that such an action would be detrimental to all concerned. Such an admission of failure should not even be considered until the team has been given a fair opportunity to improve.

By "a fair opportunity" I mean the supplying of the indoor facilities needed and the subsequent showing after this; or, if this is vetoed by the powers-that-be, a chance for the boys to run themselves into shape during the remainder of the indoor season so that the outdoor meets will show whether they have the ability and the desire for college competition.

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FOR ARROW UNIVERSITY STYLES

Fraternity Row

By Sid Doppelt

With the regular basketball competition rolling into the home stretch, there is plenty in the offing to warrant a peek into the future.

A new IF sports chairman takes office in a few weeks and his duties will begin with the always popular ping-pong and bowling tournaments. Then Junior Week will find the cindermen pounding the track in an effort to reel in enough points to walk off with the cup. With the coming of warmer weather baseball steps into the spotlight, and it seems likely that it will be a double elimination tournament, as it has been in the past few seasons.

As a sidelight to the basketball season an invitation has been received inviting our champion IF cage squad to compete at Bradley University against similar first place fraternity squads from all over the state. This sounds like a great idea! With the way our boys have been playing this year, they should be able to make quite a showing in this or any other tournament.

Theta Xi is still rolling along without any losses, their latest victim being the Daedalians by a 71-47 count.

Wednesday night a powerhouse Alpha Sigma Phi team overpowered a weak team from Tau Epsilon Phi by the amazing score of 88-10, setting a new interfraternity league scoring record. In the second game of the evening AEPI squeezed by a determined Triangle squad 54-53.

Magnetic recordings are boon to lecture courses

By Dave Hirsch

This modern age is crammed with all sorts of amazing innovations, ranging from the omnipotent H-bomb to controversial be-bop. A technological "golden boy" is the device capable of reproducing sound by means of magnetized wire or tape. Credited with the development of this amazing electronic mechanism is the Armour Research Foundation.

For the deep thinker, lengthy library research and laboratory work might reveal the theoretical aspects of magnetic reproduction of sound. The following explanation however may satisfy the less curious person. A specimen of hard steel can be magnetized in small areas. The retained magnetism is to a large degree independent of the magnetism of adjacent parts. The record medium can be of any shape convenient to the purpose at hand; flat steel tape, plastic film coated with a thin layer of iron dust, round steel wire, or, if the need arises, the rim of a steel chamber pot may be used.

The basic idea of magnetic recording is not new. In 1898, Valdemar Poulsen, a Danish professor, made the first working model of a magnetic recorder. His machine utilized a steel tape in the form of a loop stretched between two wheels and driven by a small motor. The tape was saturated magnetically by an erasing magnet which removed the old record and left the wire in a uniform magnetic state, after which it passed under a recording pole piece whose magnetic strength varied according to the nature of the sound entering the microphone. The tape now carried waves of magnetism which induced voltages in a third magnet that actuated a telephone receiver. The device, known as a "Telegraphophone," was not considered as having any commercial value.

In 1924, Dr. Stelle, in Germany, revived Poulsen's experiments and showed that round wire didn't perform as well as flat tape where the same surface was always presented to the reproducing magnet. The wire had a tendency to twist about its axis, causing poor reproduction.

The basic ideas involved in the design of magnetic recording equipment have changed but little. Refinements are in the form of better amplifiers, special alloys for magnets, tape, and wire, and improved circuit design.

Marvin Camras, an IIT graduate who is presently associated with the ARF, was instrumental in bringing the magnetic recorder to its present stage of commercial practicality. Mr. Camras holds 38 patents in the field of magnetic recording and has applied for 87 more. In addition he has numerous foreign patents and patent applications.

According to Mr. Camras, the magnetic recorder offers no direct competition to the phonograph, since one is not a sub-

stitute for the other. Magnetic recording is superior to disc-type recording in a number of ways. The sound quality of magnetic recording is excellent, as are the fidelity and naturalness of reproduction. Background noise is practically inaudible. Magnetic recordings are adapted for longer playing times, a distinct advantage for classical and high quality music works, since the entire selection can be played without interruption. The broadcasting industry is rapidly replacing disc-type transcription with magnetic recording, a possible indication in the trend of general recording where emphasis is placed on high quality reproduction.

Most magnetic recorders on the market today are designed for "home recording." They are used in recording radio programs, for parties, etc. A full hour of recording may be had from a single spool. The records do not wear out or deteriorate rapidly and require little storage space. Magnetic recording equipment is low in cost and can be operated by persons possessing a minimum of technical skill.

Illustrated talk tops ASME meet

The student branch of the ASME will hold its first meeting of the semester Tuesday at 1 p.m. in the MC auditorium. High point of the meeting will be an illustrated lecture by O. J. Seeds, direct representative of Cerro De Pasco Copper corporation. Topic of his lecture will be "Low Melting Temperature Metals and Their Use." After a discussion of business matters and future field trips, the meeting will close with refreshments.

During the final meeting of last semester officers for this semester were elected after the selection of a new honorary chairman. Stothe Kezios succeeds Professor Rusinoff in this office. The new officers are: Ed Sebastian, chairman; Ed Fencil, vice-president; Morris Franks, secretary; Bob Lindgren, treasurer; Gene Rezabeck, by-laws chairman; and Bernard Kunka, publicity chairman.

Cunningham gets annual award for engineering

James D. Cunningham, chairman of the board of trustees of Illinois Tech, will be awarded the Chicago Technical Societies council 1950 merit award for "outstanding engineering, administrative and civic service," it was announced February 23 by Robert H. Bacon, president of the Council.

Mr. Cunningham is president of the American Society of Mechanical Engineers and president of Republic Flow Meters company. He has been chairman of the board of trustees since the formation of the Institute in 1940.

The 1950 award will be made at a dinner Tuesday, May 9, in the Furniture club. Mr. Cunningham will speak on "Technical Know-How—Not Enough."

Mr. Cunningham's award will be presented by Dr. Gustav Egloff, director of research, Universal Oil Products company, past president of the technical societies council, and chairman of the award committee.

Dear Sir:

I am a third year student [redacted] Eng. at Illinois Inst. of Tech. I desire further information on a business career with your firm.

Sincerely [redacted]

EMPLOYMENT INQUIRIES sent by Illinois Tech students are reproduced here in facsimile. Styles of writing are followed closely. Letter at left was written in pencil on scratch-pad paper, while letter at right was written in ink. Both letters were addressed to the proper personnel men. Luckily, they got no further than those friendly with Tech's placement counselor.

Dear Sir;

The placement department here at I.I.T. informs me that you are interested in a graduate [redacted] engineer. I am hereby enclosing my name in application for the position and for your consideration.

Thank you [redacted]

Letter writing is stumbling block for job-hunting students from Tech

By Hal Bergen

See those "letters?" If you were the recipient of one of those epistles, what would you think of the writer?

It so happens that in these two instances, the receivers of these letters were on good terms with the IIT placement office and sent them to H. L. Minkler, director of placement, hoping that something might be done to enlighten the writers about the ways of the adult world.

The identity of these two writers is unimportant. The point is could you have sent such "letters" in the mail as representative of yourself and Illinois Tech?

IIT students are not the only ones who have sent out such correspondence. Other colleges are gravely concerned about the blemish of their reputations as a result of poor conduct on the part of their students in the business world. And poor letter writing is not the only offense. It might be well to investigate a few examples.

Let us consider the case of a recent graduating class which indicated, at commencement, that only 25 per cent had jobs. When the placement office went about getting job leads and filling them, it found that 14 out of 17 men called did have employment, but did not notify the placement office of this fact. The placement office thus was forced to waste time and job leads on men who didn't really need jobs at all.

Then there is the case of the know-it-all who told his prospective employers, during an interview, that if hired he would set the company right. He would, that is, if he was kept happy on the job. Of course he never got the job. A letter from the company is on file in the placement office confirming this episode.

So it is that these "ambassadors of good-will" are leaving the campus, undoing the good impressions left by our more considerate brethren. There are many more men of excellent caliber who give Illinois Tech the good reputation it enjoys. But the few who are not so bright make it tough for those who will follow them as IIT men.

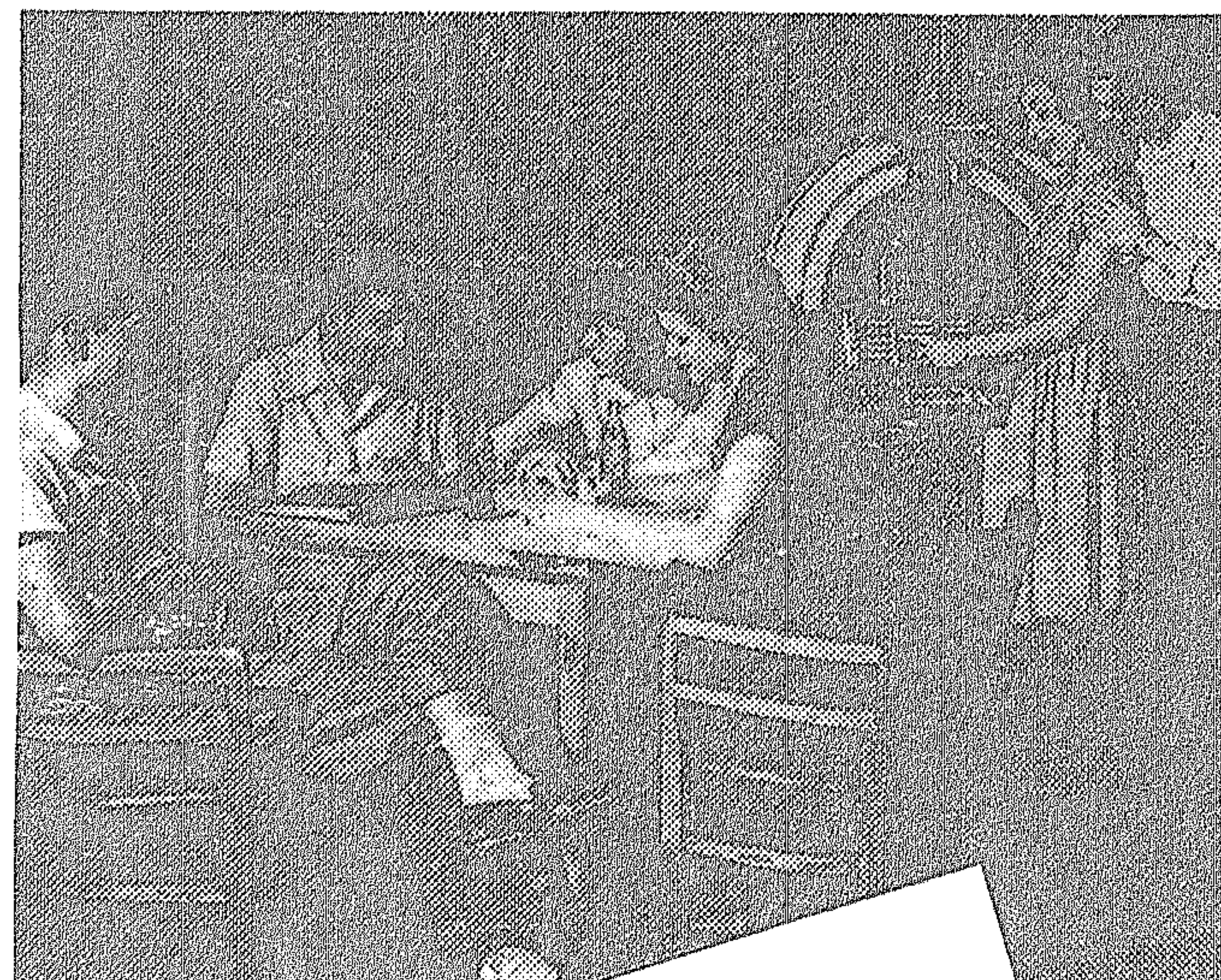
They make it tough for the placement office, which is forced to waste phone calls and letters on men who have jobs but who let the office think they still need work. In this way they take opportunities which should rightly go to those who actually need them. And then they render grossly inaccurate the statistics with which the office guides its work.

"We know it is impossible to produce top-notch jobs for all our

graduates," stated Mr. Minkler recently, "but we make every effort to place everyone who is interested in going to work."

How will you act when you leave

the campus? Will you be a case history in the "dead-beat" file? Or will you really be an ambassador of good-will for the Institute and for yourself?



Student Union Building University, Arkansas (Fayetteville)

ARKANSAS TRAVELER UNIVERSITY OF ARKANSAS

VOL. 48 FAYETTEVILLE, ARKANSAS, FRIDAY, MAY 12, 1950

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5¢

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Class schedules to be changed for Junior Week

A decision was made at the last general faculty meeting to rearrange the class schedule for Junior Week, May 4 to 6. This change has been formulated to minimize absences during the spring semester.

Since the power conference, spring vacation, and Junior Week-Open House all require dismissal of classes in the latter part of the week, it is planned during Junior Week to hold the classes normally scheduled for Thursday, Friday and Saturday, May 4 to 6, on Monday, Tuesday and Wednesday, May 1 to 3. The classes normally scheduled for Monday, Tuesday and Wednesday will be dismissed. This arrangement will provide some equalization of class periods and laboratories for the semester.

SAM plans brewery tour

Seeking the facts about that crucial first year in industry, members of the Society for Advancement of Management will bring back several recent graduates to describe their on-the-job experiences at a meeting in the east dining room, NU cafeteria, at 5:30 p.m., Wednesday.

Another long-anticipated SAM project, this semester's field trip, has been announced for Tuesday, March 14. By arrangement with John Jeorg, brewmaster at the Ambrosia Brewing company, a limited number of SAMsters will go through the modern plant at 3700 South Halsted. Reservations must be made with Randall Wittenburg, tour chairman.

News in Brief

The Wednesday meeting of the Newman club will feature a lecture on "Contemporary Christian Attitudes" to be delivered by James Supple, religion editor for the Chicago Sun-Times. Mr. Supple will discuss the Christian attitude toward the non-Catholic world and explain the lay apostolate and Christopher movement.

The meeting will be held in Room 302M at 5:10 p.m.

* * *

The first meeting this semester of Armour Eye will feature a talk and demonstration of print paper by C. Billstein of the Du Pont company. All those interested in photography are invited to come and get acquainted.

The meeting will be held in the NU conference room Monday at 6:30 p.m.

The Interhonorary council will sponsor special tutoring services in math, chemistry, and physics, Max Sussman, director of student tutoring, announced this week. Tutors in other subjects will be provided at the request of at least five students.

Those who want and need help may register by leaving their names, hours available, and deficient subject on a card in the IHC mailbox in the N.U. lobby. The service will be available from 6 to 10 p.m., Monday through Friday.

* * *

The rifle team announced that five matches will be held this week: a four-position meet with Penn State and three-position meets with Lawrence Tech, the Universities of Pittsburgh and San Francisco, and the U. S. Coast Guard Academy.

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