

# TECHNOLOGY NEWS

Volume 48, No. 21

Illinois Institute of Technology, Chicago, Illinois

April 8, 1949



EUGENE REZABECK

CLIFF MOCK

BOB ELLIOTT

ED SEBASTIAN

IRA GRAHAM

## Publication chiefs named

The Publications board this week announced the names of the students who will lead the Integral, the Illinois Tech Directory, and the Technette for the next year.

Eugene Rezabeck, 6th term ME, was named editor-in-chief of the Integral yearbook. Rezabeck has had three years' experience on the Integral, serving as editor-at-large in 1948 and as assistant editor this semester. In addition to being president of Triangle fraternity, he is a member of Pi Tau Sigma and

has worked on the Junior Week committee for the past two years.

Ed Sebastian, also a 6th term ME, was appointed business manager of the Integral. He was art editor of last year's directory and a member of the business staff of the yearbook. Sebastian is active in APO and is an officer of ASME.

Other editorial positions filled by the Publications board include Bob Elliott, editor of the Technette, Cliff Mock, editor of the Illinois Tech directory, and Ira Graham, business manager of the directory.

## Propose changes in ITSA constitution

Basic changes in the structure of ITSA, Illinois Tech's student government, are now being considered by that board in preparation for possible action on the measure at its Wednesday meeting.

The proposed changes, a series of constitutional amendments would increase the number of students on the board, reduce the present six faculty and administration members to two, and lengthen the student tenure of office from one term to a full school year.

Most significant of the provisions is the proposed breaking up of all classes into semester units, just as the senior class is set up now. Classes would remain as units, each with their own officers, until graduation. Each class officer would serve for one year.

Included in the plan is provision for membership for the Dean of Students and one faculty member, selected by the faculty council. Two new student "members-at-large" would serve as well as the present four ITSA officers.

The present makeup of ITSA includes the freshman, sophomore, junior, and both senior class presidents, and four ITSA officers, president, vice-president, treasurer, and secretary, for a total of nine students. The six remaining members are two faculty and four administrative representatives.

## Seniors may still obtain announcements

Although the deadline for ordering senior announcement and name cards has passed, Don Ennis of the senior announcement committee stated that orders will continue to be accepted until Friday, with the understanding that delivery will not necessarily be before May 20.

Order blanks may be obtained at the school post office.

## Soph class to discuss plans for activities

Sherman Roberts, sophomore president, announced today that the sophomore class will hold a meeting Tuesday at 1 p.m. in the CB auditorium to discuss inter-class athletic competition and the sophomore-sponsored street dance, both Junior Week activities.

Several other matters that affect sophomores, such as planning for a picnic or smoker and reviewing the recent ITSA proposal to change the structure of classes, will also be taken up at the meeting.

## Administrator to discuss ECA effect

Techawks will hear one of the first authoritative first-hand stories of the Marshall plan in operation, when a top-level administrator of the plan, Henry B. Arthur, speaks at a meeting sponsored by the Business and Economics club Wednesday, at 4 p.m., in the CB auditorium.

It has been less than two weeks since Mr. Arthur relinquished his duties as chief of the Division of



HENRY B. ARTHUR

## Cole trio to promote charity



HIGHLIGHTING THE OPENING DAY ceremonies of the charity fund drive, will be King Cole and his famous recording trio. This newly instituted annual drive will replace various collections during the year.

## Castings' dance in NU tonight

The high voltage music of the Short Circuits, the all-EE orchestra, will spark tonight's Rough Castings dance, appropriately named "Footlight Fling," in the NSU auditorium. In addition to dance music the Castings will present a medley of tunes from their last year's production and a sneak preview of the score of the 1949 opus.

The harmonica harmonies of Robert Boss features the remainder of the entertainment program. While the floor show is in progress, free refreshments will be supplied by the Rough Castings.

Tickets to the dance may still be obtained from Myron Golding, Donald McKee, Wells Bowers, Ed Hirschberg or any other member of the sponsoring group. Proceeds from the affair will help support the Rough Castings' forthcoming admission-free play.

An all-school assembly in the NU auditorium on Tuesday, April 19, will launch the first unified charity drive at Illinois Tech.

It will be held during the regular free period between the hours of 1 and 2 and will feature the famous King Cole trio.

The purpose of the campaign is to eliminate the numerous small drives which are usually popping up throughout the semester. The opinion of the ITSA Board of Control was that it would be of much more convenience to the student body to have one drive and make a concerted effort in it, than to have numerous small campaigns with little student interest.

Don Goldsmith, chairman of the assembly, said, "I hope the students realize that if this drive is a success, they will not be bothered by any more charity drives during the year. I only hope that they will bear this in mind when making their donations and really dig down deep."

The drive will start with the assembly on Tuesday and continue through the rest of the week. In the event that students are short on cash that week, it is hoped that they will sign pledge cards and donate the money at a later date. Booths for collecting the money will be set up and maintained by APO, the campus service fraternity.

The King Cole trio will be aided in the entertainment by the choir from the Settlement House on 32nd and Wabash. At present plans are also being made to secure another big name to serve as emcee. To date nothing definite has been determined.

Since the Cole trio is out of town at present, it was difficult to reach them, but through the courtesy of Capitol records and Local 208 of the American Federation of Musicians, they were contacted by phone and agreed to appear.

## Plan Integral staff meeting

A meeting of the 1950 Integral staff will be held Tuesday at 1 p.m. in 108C, it was announced this week by Len Speicher, Integral editor. During the meeting, the new heads of the yearbook will be introduced to the staff.

Speicher will explain and outline a training program for new staff members without previous experience. All interested persons are invited to attend. Free cokes and donuts will be served.

## Contest papers to be presented

Local presentation of papers written for the AIEE papers contest will take place Tuesday at 7 p.m. in MC auditorium.

Papers will be given orally and are limited to 12 minutes in length. If they will aid in presentation, diagrams, slides, and blackboard drawings may be used. Blackboard, slide projector, and a projector making it possible for one to project directly from graphs or diagrams will be available.

Prizes will be given to the best three papers as determined by a group of judges. Thirty-five per cent of the grade will depend on speaking technique, 35 on style and organization of material, 15 on introduction and conclusion, and 15 on discussion.

The next meeting of the AIEE will be held April 21. The speaker will be Frank V. Smith, Chief Electrical Engineer for the Sargent and Lundy company. All members who have membership cards from last semester or this semester are invited to attend.

Program and Recovery Progress and returned home from western Europe.

He has indicated that he will deliver a short, off-the-cuff speech, and then spend as much time as possible answering students' questions.

Since Mr. Arthur's chief duties involved an attempt to determine the economic effects of the plan on western Europe, he is particularly well equipped to answer the question, "Is the Marshall plan succeeding?"

Since his arrival from ECA's offices in Paris, Mr. Arthur has returned to his pre-Marshall plan position as manager of the commercial research division and economist of Swift & Company.

# as I see IT

By DAVE PASIK  
Editor-in-Chief

Under the leadership of George Bowman, the Illinois Tech student association during the last year has functioned more efficiently than at any period that I can recall, but Bowman's efforts in this direction have certainly turned up basic weaknesses in ITSA's constitution.



Before the end of this term you will probably go to the polls to vote on changes in this constitution, changes that would have a profound effect on the character of the Illinois Tech student government.

Fundamentally, the amendments have been proposed because ITSA is only a student government in a very loose sense. Although students outweigh non-student members nine to six, the students have been severely handicapped with a term of only one semester, hardly longer than it takes to find out what's going on.

In the meantime, about 95% of the discussion and policy determination has been carried on by the administration and faculty personnel, all "grey-haired" members of the board and experienced in past procedure. Very rarely does a student venture a comment, so complete is the domination.

I don't mean to imply that the student government has been run against the interests of the students. These older members have been merely carrying out the jobs created for them in the old constitution, and the present situation is actually written into the constitution.

However, as a co-writer of the proposed amendments, I feel that students should have a more active voice in determination of policies that have direct effect upon them, and each of the changes has been suggested with that in mind.

The new terms of one year will provide a far greater degree of continuity than does the present semesterly system, and the division of classes into single rather than double units, besides increasing the manpower of the board, will unify the individual classes and make it possible for officers to be on more familiar terms with their class members.

We haven't overlooked the fact that more responsibility will be placed on students, but I feel that this will be a good thing. The members will have to inform themselves on various issues before any discussion will be possible, rather than relying as at present upon the background information and policies obtainable with so little effort from the advisory members.

We're quite confident that this new government can succeed, although it will mean a lot of work for the officers at first. Similar governments are in operation at almost every college, and have proved that students can fulfill responsibilities if given them. And there is a great deal of responsibility—about \$22,000 worth every year.

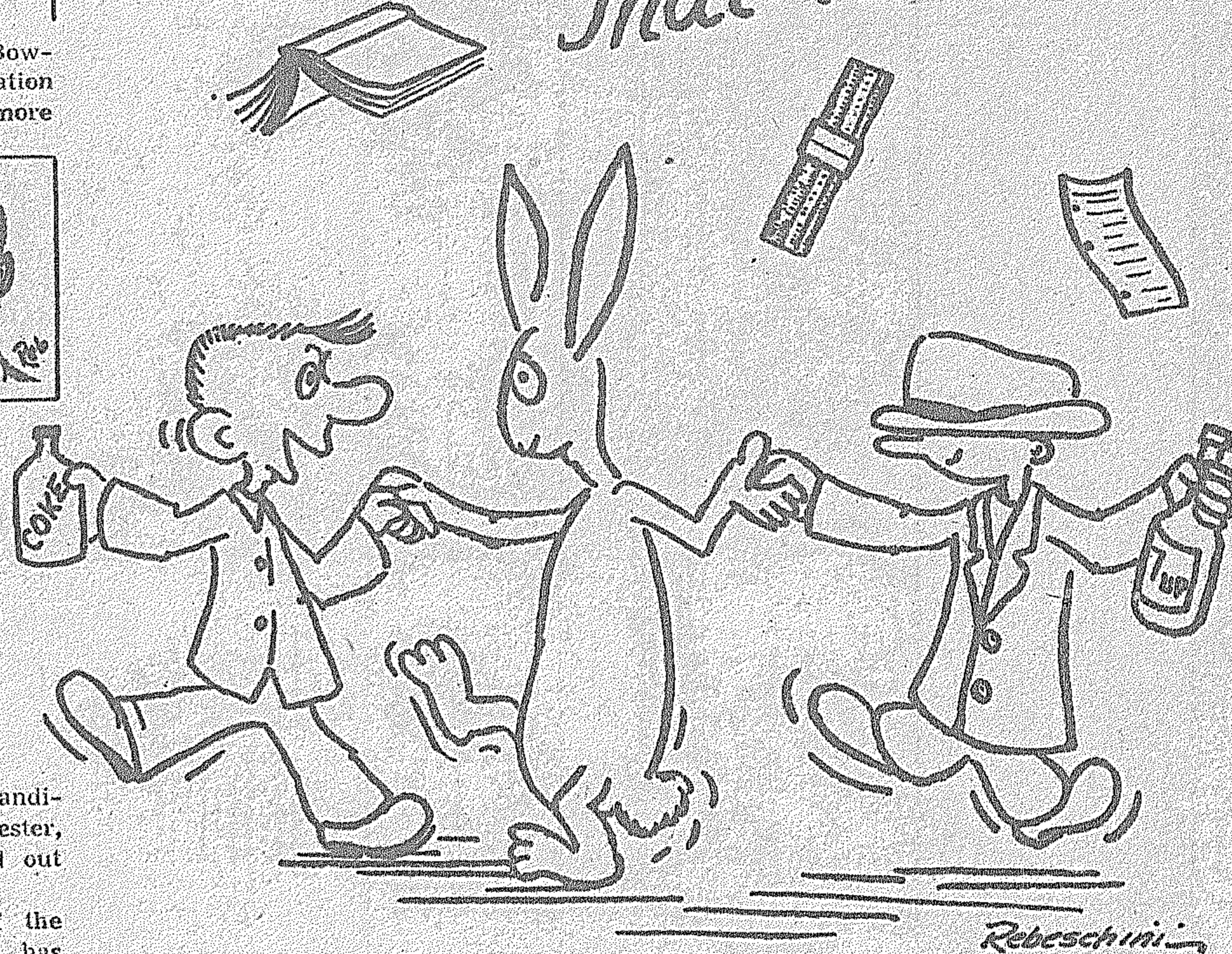
## TECHNOLOGY NEWS

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# The Pause That Refreshes!



APRIL 14-15-16

### Letters to the Editor

## Doubts social status of non-frat student

To the Editor:

Must one join a social fraternity or organization to be considered part of the student body at IIT? This occurred to me two days after sale, when I was blandly informed that for such "select" groups. No doubt I have been under a misapprehension in believing that most school functions, and especially a function as important to the average college man as the Junior Prom, are conducted for the benefit of all the students.

The situation has left me nothing but the conclusion that some groups are not overly desirous of the ordinary student's participation in the important social activities.

Warren R. Gregory

To the Editor:

I was quite pleased to see that the students upheld the decision on the type of dress at the Junior Prom by contracting for all the bids within 24 hours after they went on sale. A waiting list was then established of which about 50 per cent have been accommodated up to the present time.

As to the limited number of bids—at the time KGDMC was elected it was too late to obtain one of the larger ballrooms. Even the Junior Week officers, who had arranged for the room in previous years, were appointed only a week or two earlier. Obviously, unless this unfortunate situation is to be repeated next fall, something must be done soon.

I plan, within the next few weeks, to place a tentative hold on two or three of the more spacious ballrooms in the downtown area for the Junior Prom of 1950.

John F. Christian  
Social Chairman  
Junior class

## More first aid

To the Editor:

The occurrence of laboratory accidents during evenings or on Saturdays, during which times laboratories are in session while there is neither doctor nor nurse on campus, has severely indicated the need for more complete medical services. Due respect is granted those offering medical attention at present, and it must be noted that the problem does not lie here.

The careful laboratory instruction offered to the student represents a

powerful bulwark against the occurrence of accidents; however, occasional accidents must be anticipated, and anticipation also includes having services ready when needed.

Having a jeep available and an ambulance on call aids the situation immeasurably, but does not properly solve the problem. Effective solution can only be attained by the maintenance of necessary personnel during scheduled laboratory sessions.

Jerome G. Morse

## Lauds exam rules

To the Editor:

The recent regulation by the school disciplinary committee involving examination procedure is a step in the right direction. In spite of its obvious faults, it shows that an attempt is being made to correct an unhealthy situation. I do not agree with the Technology News article that this is "an

## Slipstick

Mandy went into the bank and digging down into her ample bosom came up with thirty-five \$2 bills to deposit. "Why, Mandy," said the teller, "have you been hoarding?"

"No, sah," replied Mandy. "Ah made this money takin' in washin'!"

Warden: We're going to give you anything you want for your last meal.

Prisoner: Could I please have a bottle of champagne?

Warden: Sure—any particular vintage?

Prisoner: Yes—1985.

Then there's the girl that ruined her health because she misunderstood the doctor's orders. She thought he recommended three hearty males a day.

It happened the other night when the fight wasn't pleasing the fans. The two fighters did nothing but circle each other;

### Blowing the Gaff

## Fair deal due in bid sales

Selling of Junior Prom bids has definitely reached the point where some revision of procedure is necessary.

In the past it has been sufficient to plan on 250 to 300 bids and you would be sure of satisfying everyone, but not this year. This year the bids went like hot cakes, and right now there is a good sized list of students waiting, in hope that someone who has a bid will decide not to go and turn it back in.

I'm not going to gripe about the size of the prom or the number of bids, because, due to the late appointment of a committee to take charge, their choice of places was restricted and they had to take what they could get.

But I am against the way in which the bids were distributed. Not just for this dance, but for all the big dances that I can remember in the past. Something definitely should be done about organizations reserving tickets in large blocks.

For the dance there were 270 bids to be sold. Of these, 167 were reserved by the fraternities, 10 by the Junior Week committee, 10 by the Junior Prom committee, 5 by the Junior Class officers, and 20 by small clubs and organizations. This left the astronomical figure of 58 bids to be sold to the general student body. I ask you is that fair?

Those who couldn't get bids were asked to sign a waiting list, and then, if Joe Schmoe in such and such an organization didn't feel like going to the prom, you were granted the privilege of taking his bid off his hands.

I for one don't like being second choice in anything and I don't think the rest of you like it anymore than I do. I'm not condemning organizations for looking out for their members, but I am against the process of selling bids in a manner that allows discrimination of this sort.

Let's see some action on selling bids on an individual basis after this.

Jim Gaffney

insult to the honest student." It is rather an insult to those of our instructors who scrupulously prevented cheating in their classes.

To the conscientious student it will mean an assurance that memorization of former exams and "co-oping" will not have raised class averages.

John W. Beattie

Technology News awards a carton of Chesterfield cigarettes to the writer of the best letter published each week. The letters must be submitted before 4 p.m. Tuesdays, and must be signed, although the names will be withheld if requested.

not a punch was tossed. A bored silence settled down on the arena.

Then: "Hit him now, yah bum!" a spectator yelled. "Yah got the wind wit' yah!"

Saleslady: Why do you insist on a silk dress at this time of the year?

Valerie: Because I'm tired of having the wool pulled over my eyes.

Two boys were talking over the Sunday school lesson.

"Do you believe all that business about the devil?" one asked.

"Heck no," replied the other boy, "it's like that Santa Claus stuff . . . it's just your old man."

Lee: What did Marc Anthony say to Cleopatra when he found she had no bathrooms in her palace?

Bob: I dunno. What?

Lee: "Why, Cleo! This is uncanny."

Carbolic Gus

# Student counseling a complex problem

By James Gewartowski

Since the consolidation of Lewis and Armour, Illinois Tech has been constantly striving to improve its counseling system. As if the merger itself did not create enough obstacles, the war added its contribution of difficulties for a school trying to develop an efficient counseling program.

During the war, the mechanical engineering faculty was doing a quarter of a million dollars research business each year in addition to academic duties. But since the war the counseling setup has taken great strides forward.

Evidence of the improvement is the fact that each student now has a personal advisor to consult about the many academic decisions which face him. Engineering students have liberal studies instructors as advisors for their freshman year; thereafter they are assigned to the heads of their departments, who are to personally advise or else assign instructors in the department to the position of advisor. In each liberal studies department, a student is assigned a specific faculty advisor for his whole four years.

A highly developed department in this respect is the business and economics department. After a personal interview with the chairman of the department, Dr. Pearce Davis, each student is assigned to one faculty advisor for his four year stay. The student is encouraged to see his advisor often. Herein lies the main function of an advisor: he is a personal friend of the student. In the EE department extensive records are kept of the student both before and after his graduation. Thus, records are available for preparing job references.

Counselors would be helpless without information concerning a student's progress. It is the job of the registrar to provide this information. The first information sent to the advisor consists of the results of psychological and interest tests, advanced standing credits, and recommendations. Thereafter, the registrar sends

carbon copies of the grade reports so that the advisor may check off the student's earned credits on a sheet listing the required courses for graduation. The registrar's office comes in direct contact with eighth semester students when it checks on their credits for graduation.

Considering the size of the student body, great strides have been made and are continuing to be made. Increasing provisions are being made for psychological counseling. Dean of Students C. E. Deakins attempts to aid students in unraveling problems of financial, marital, and emotional disturbances created by war experiences, often by directing them to the IIT medical advisor or members of the psychology department. For those students having difficulty in studying, there is a "How to Study" (See COUNSELING on page 4)



# ME, EE seniors excused for power talks

All seventh and eighth term ME's and EE's will be excused to attend the eleventh annual Midwest Power conference at the Sherman hotel April 18-19-20.

During the course of the three-day meeting about 60 technical papers will be presented at various specialized sessions. Topics of general interest will be discussed at the opening of the conference April 18 and at the general session the following morning. In all, about 80 leaders in the fields of power production, transmission, and consumption are expected to speak.

A feature of vital interest being initiated this year is a series of talks on the sales problems in the electrical industry. This symposium will be presented on the afternoon of April 20.

The All Engineers' dinner to be held on the evening of the second day in the grand ballroom of the Sherman, will climax the conference. At the dinner, a scroll will be presented to Lt. General Raymond A. Wheeler, former Chief of Engineers of the U.S. Army.

# MAN FAINTS AT LOW PRICES

Chicago, April 18—

The high cost of living took its toll in reverse today. Joe Smudge is so used to paying high prices for everything that when he ran into a low price for a better product, he bit the dust!

Seems a friend lent him a wonderful razor blade—PAL Hollow Ground. Joe went to the store to get some more. "How much?" asked Joe. "Still only 10¢ for 4," said the clerk. That's when Smudge fainted.

"What?" said Joe when he came to, "Why I pay twice that for blades that aren't half as good." P.S.: Don't be fooled by price. Try Pal Hollow Ground yourself. You still get 4 for 10¢, 10 for 25¢, 21 for 49¢, 44 for 98¢. For either Double or Single Edge razors.

# Settlement House seeking funds

A meeting of the committee to raise funds for the Settlement House will be held in the Executive Conference room at 1:45 Wednesday. Speakers at this meeting will be Mrs. Ada McKinley, resident director of the house; Mr. Francis Stradford, who will speak on the history of Settlement House; Mr. Robert Neal of the Council of Social Agencies speaking about the value of a settlement house in a community; and Dean John F. White who will speak on IIT's role in connection with the Settlement House.

Mrs. Lloyd H. Donnel, who represents the Faculty Woman's club, stated that there would be

a rummage sale the week after Easter to raise funds for Settlement House. She requested that all students submit any articles that can be resold for cash. Those donating articles for this purpose may bring them to the Executive Conference room at the time of the meeting or may deposit them at the campus post office.

like cream hair tonics?

Here's the cream of them all!

contains Viratol

gives your hair that "just-combed" look—all day long!

NEW FORMULA WITH VIRATOL\* works wonders in the looks of your hair. It looks natural...it feels natural...and it stays in place! Try a bottle.

new Vaseline cream hair tonic

\*This special compound gives lustre... keeps hair in place without stiffness.

# How much FUN can you cram into a record?

Hear Ray McKinley's musical kidding in "SUNFLOWER" (an RCA Victor Release) and you'll know!

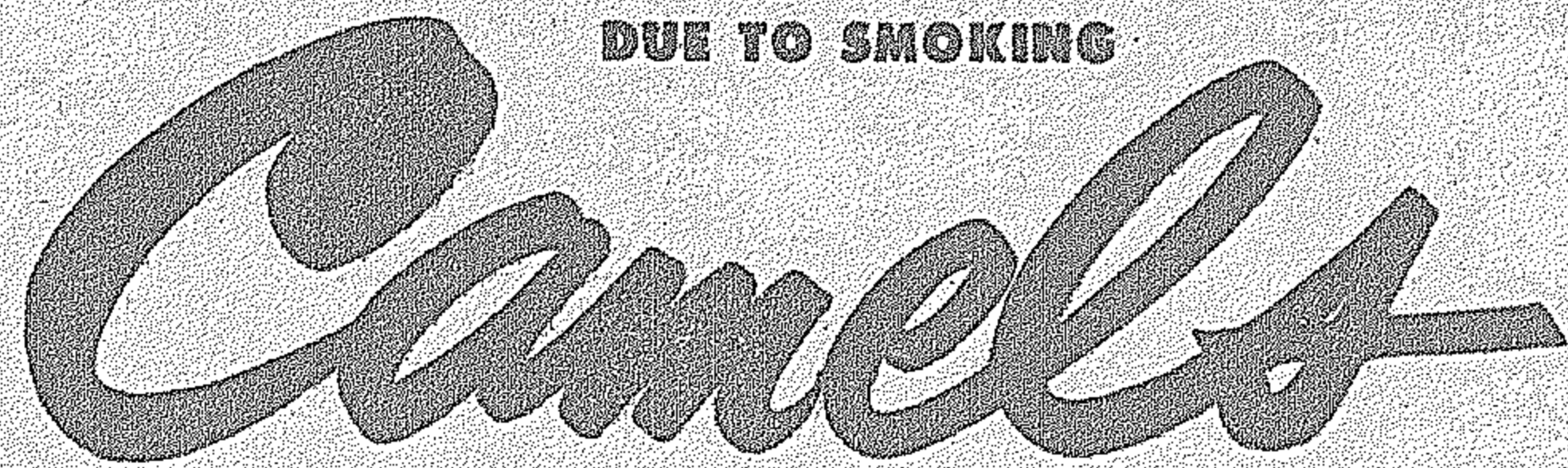
You'll have a lot of fun with Ray McKinley, his band and his vocalist serving up a platterful of "corn" for your listening and dancing pleasure. Yes! Ray knows about musical pleasure—and smoking pleasure, too! As Ray beats it out on his drums—"Camels are a great cigarette—they're mild and full-flavored!"

# How MILD can a cigarette be?

Smoke Camels for 30 days—and you'll know!

In a recent coast-to-coast test of hundreds of men and women who smoked only Camels for 30 days—an average of one to two packs a day—noted throat specialists, after making weekly examinations, reported

NOT ONE SINGLE CASE OF THROAT IRRITATION DUE TO SMOKING



Money-Back Guarantee! Test Camel mildness for yourself in your own "T-Zone." T for taste, T for throat. If, at any time, you are not convinced that Camels are the mildest cigarette you've ever smoked, return the package with the unused Camels and you will receive its full purchase price, plus postage. (Signed) R. J. Reynolds Tobacco Company, Winston-Salem, North Carolina.

Drummer Ray McKinley talks it over with his featured vocalist, Jeanie Friley.

THE MILDTEST CIGARETTE? WHY, CAMELS, OF COURSE! I LEARNED THE ANSWER WHEN I MADE THE 30-DAY TEST!

30 DAYS? I'VE SMOKED CAMELS FOR YEARS. I KNOW HOW MILD CAMELS ARE. AND WHAT RICH, FULL FLAVOR THEY HAVE!

## Foreign schools calling

Two similar scholarships for study abroad offered by different agencies are available to students at Illinois Tech. The American-sponsored Fulbright Act offers scholarships to graduates who are citizens and have a sufficient knowledge of a foreign language to carry on proposed research study. More details about this scholarship are available at the dean of students office.

The familiar Rhodes scholarships, established by the English entrepreneur, Cecil Rhodes, are open to unmarried citizens between the ages of 19 and 25. Dr. Larkin, dean of liberal studies, has further information on this subject in 113C.



GEORGIA ZEH, Sigma Phi Epsilon entry, was chosen queen of the Interfraternity formal held recently. Escorted by Ole Flaa, Miss Zeh was selected from a group of 12 by Dave Garroway, Dean Eugene Pare, and bandleader Eddie James.

## Brochure lists job-seeking grads

By Henry Holmes

Most eight-termers worrying about the prospects for satisfactory employment after graduation have probably limited their special efforts in this respect to a few personal inquiries and repeated pleas with harried Placement office personnel. Not so

distribution of the book is being directed by Thayer with the aid of committee members Ed Hirschberg, Don Ennis, Jerry Jelinek, and Ken Schaible.

"The SAM Graduate Placement Brochure" is the opening gun fired by these ambitious seniors. As described by committee chairman Bill Thayer, the primary weapon is a book devoting one full page to each of 21 graduating Techawks.

Produced at the students' own expense, the book contains a halftone photograph of each man, together with his job experience, scholastic and extra-curricular record, and his vocational preferences.

Under sponsorship of the Society for the Advancement of Management, more than 100 copies of the book will be sent to selected industrial executives, and each senior included will receive extra copies of his page. Preparation and

**REAL COLLEGE MAN'S PIPE and 1/2-LB. BRIGGS TOBACCO \$1.95**

See items on Display at the Illinois Tech Bookstore

## Concert in Jazz set for Junior Week

"Experiment in Jazz," led by Bill Russo and his 23-piece band, will be presented in the NU auditorium to Techawk jazz lovers on the first day of Junior Week-Open House activities which begin April 27.

This aggregation, consisting of a group of Chicago musicians, plays an extreme form of progressive jazz. The chief purpose of the "experiment" is to bring jazz to a concert level, and Russo and his band have given concerts in the Civic Opera house, Kimball hall, and the Eighth Street theater.

Many well known musicians have come from the ranks of this organization. Among them are Milt Barnhart, who replaced Kai Winding at lead trombone for Stan Kenton; John Badgley, now playing trumpet for Woody Herman, and John Howell, who has also joined Herman. Russo's vocalist, Shelby Davis, sings, it is said, in a style closely approximating

## COUNSELING

(Continued from page 3)

course conducted twice weekly. This course is one of the many duties of Mr. John Smale, who helps students boost failing grades in a subject by assigning extra reading or a private tutor.

The placement department is another invaluable aid to the student. Less than 300 of the 1,700 colleges and universities in the country have placement offices. Through the placement office a student may obtain an interview with almost any company of his choice. Both part time and full time jobs may be had through this office. Information is on file at the office about the many firms with whom the placement office deals.

Thus the school is constantly improving its counseling system. Because the faculty and student body are taking an increasing interest in it, it is fast becoming one of the best in technical schools throughout the country.



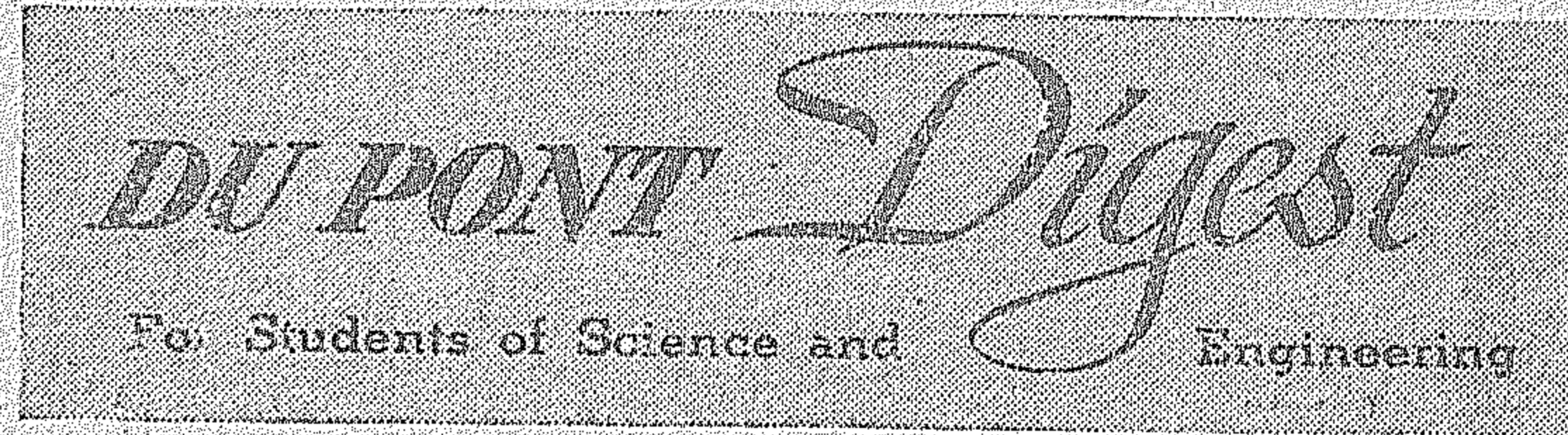
Be sure to Return Technology News Market Survey

It is necessary to present to our advertisers a representative picture of Illinois Tech.



## PLACEMENT SCHEDULE

FRIDAY, APRIL 8  
United States Coast and Geodetic Survey  
Vitamins, Incorporated  
Albion Malleable  
TUESDAY, APRIL 12  
Illinois Bell Telephone company  
Marathon Paper company  
WEDNESDAY, APRIL 13  
Illinois Bell Telephone company



## Chemists in Pictures

How Du Pont and studio scientists solved the problem of noisy film

Who'd ever expect to find Du Pont chemists in Hollywood? When motion pictures suddenly started to talk, a whole new series of perplexing scientific problems was born, not the least of which was "noisy" film.

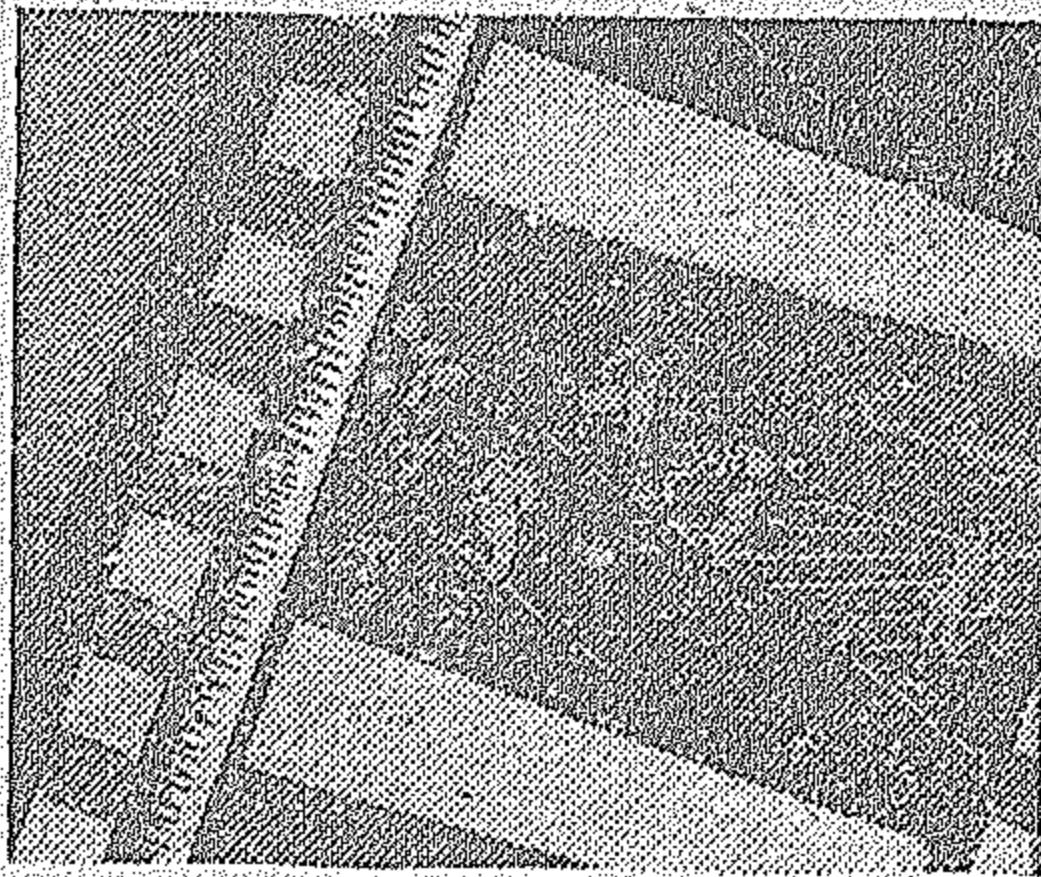
As you know, sound is usually recorded directly on film. If you hold a strip of motion picture film to the light, the sound track is seen as a narrow band of irregular lines. A light ray passing through the moving sound track falls on a photocell with rapid interruptions or changes in intensity. The photocell converts these interruptions into electrical impulses which, amplified, reach the theater audience as voice and music.

If the film has a coarse grain structure, it tends to give lines that are not sharp and uniform in density. Such irregularities interrupt the light ray—come out as distracting noise.

What could be done about it? Du Pont scientists of the Photo Products Department started a program of research, in cooperation with tech-

nical experts from the studios in Hollywood. They made and tested scores of film coatings. Finally there were developed films of exceedingly fine grain structures.

M-G-M and Paramount were among the first to use the new type Du Pont films. The development was heralded by the press as "another milestone in the technical progress of the industry," and in 1943 Du Pont

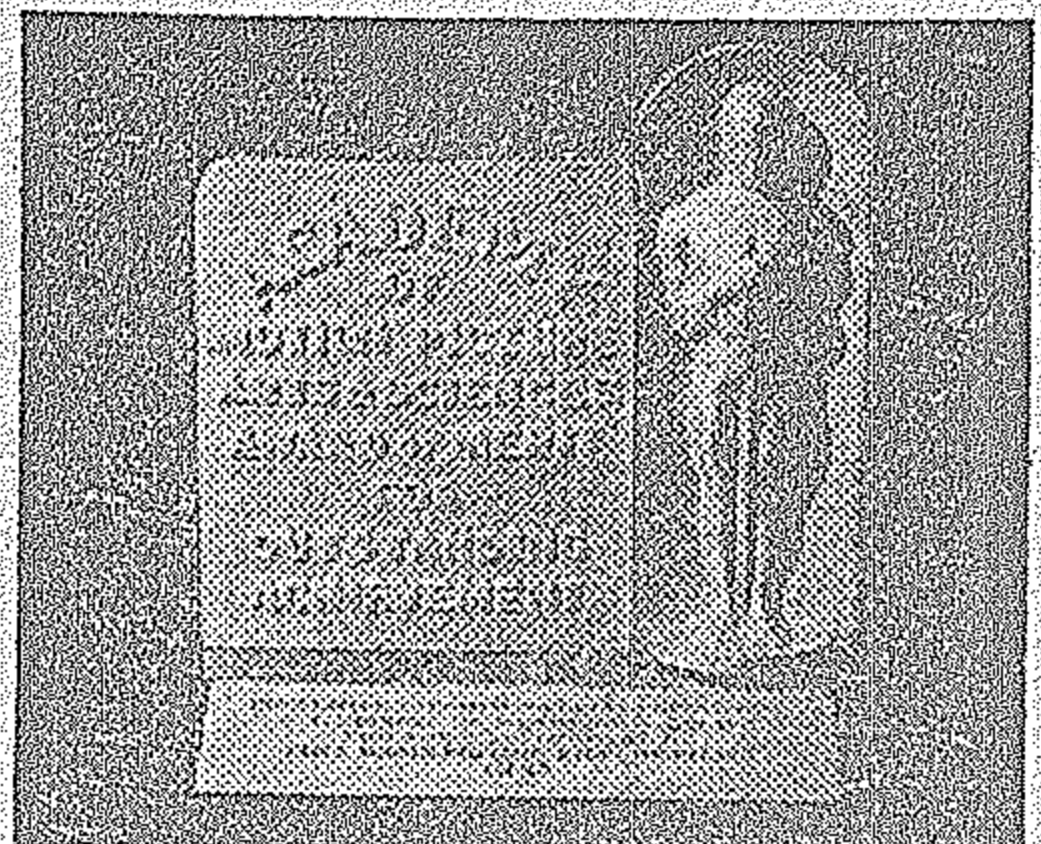


Voice and music appear as a continuous band of irregular lines on this movie sound track. Any irregularity means noise.

received an Academy Award of Merit for its achievement. Now the use of fine grain films is practically universal in Hollywood. Actors, actresses speak their lines, with no technical restrictions to cramp their artistry.

You may have a place in Du Pont research

Had you been a member of a Du Pont Photo Products research team since 1931, you might have shared in many

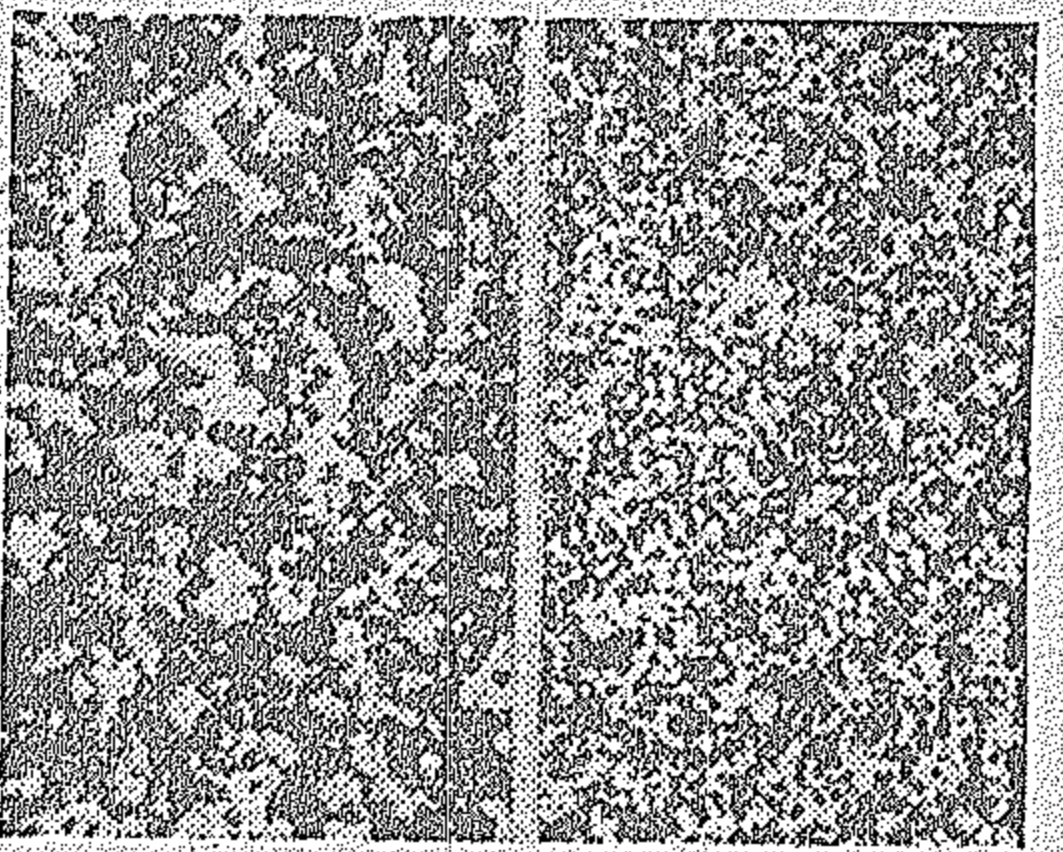


Achievements of Du Pont scientists over the years have won two "Oscars" from Academy of Motion Picture Arts and Sciences.



W. L. Foy, Ph.D. in Physical Chemistry, Clark University, 1947, and A. C. Lapsley, Ph.D. in Physics, Virginia, 1947, discussing details of Color Densitometer Wiring Diagram used in connection with research on color photography.

outstanding achievements, two of which have been recognized by "Oscars."



In coarse grain films, the particles of silver are large and scattered. Compare with Du Pont fine grain film, right. (Magnified 1000 times.)

The Photo Products Department, however, is just one of ten Du Pont manufacturing departments, all of which engage in continuous research. Operated much like separate companies, each holds challenging opportunities for young, college-trained chemists, engineers and physicists. Du Pont not only tries to select young men and women of promise, but makes a conscientious effort to help each one develop as rapidly as possible. Whatever your interests, you will find here the cooperation and friendly interest you need to do your best. As a member of a small, congenial working team, your ability can be seen, recognized and rewarded.



BETTER THINGS FOR BETTER LIVING ... THROUGH CHEMISTRY

More facts about Du Pont—Listen to "Cavalcade of America" Monday Nights, NBC Coast to Coast

WRITE TODAY for The Du Pont Company and the College Graduate

# Tech meets Pier Illini in Ogden field track duel

By Dave Miller

Everyone on campus has, at one time or another, stopped in his journey to class to watch a group of fellows clad in sweat-suits energetically making their way around the Ogden field cinderpath. Who are these men who practice daily, rain or shine? How do they stack up against teams from other schools?

Tomorrow at 1 p.m., for the first time in the memory of the oldest student, the trackmen will host a strong squad from Navy Pier on their home track. In an effort to give the man with Saturday classes a chance to see his fellow students in action, Coach Roy McCauley has scheduled three home meets for the outdoor season.

The competition between these perennial rivals will prove to be as spirited as any Olympic meet though no world's records are expected. Led by Captain Jim Sauer and Milt Cox, chief point-maker for Tech, the thinclads expect to make their outdoor debut a successful one.

Sauer, a slim, quiet senior, is ready for the coming of the IIT fieldhouse. The proud father of a 7 week old boy which he asserts to be the Gil Dodds of 1969, "Sunny Jim" was sporting a picture of the tyke. "Just look at those legs," he bragged.

One of the most promising men on the team is sophomore Al Ashurst. Al sports a powerful, distance consuming stride and is known to come up with a punishing sprint at the end of the race when necessary. He led the cross country squad last fall in addition to being the squad's top distance runner.

Cox has been doing a good job of filling the busy track shoes of the graduated Arnie Harrison. Cox has taken over low hurdles and broad jump, and has added the high jump and high hurdles. This program keeps Milt busy enough to appear all over the track at once.

Coach McCauley will split up his

heavily laden distance contingent in an effort to gain more points. Bill Cahill and Owen Dykema will also compete in the quarter mile and half mile, while Ted Randich tries the mile in addition to the half. Distance ace Ashurst will double in the mile and two mile, while Bob Voigtmann will take on the 220 and 440 yard dashes.

The field events are notably weak, and there are still positions (See TRACK on page 6)

## Classes to battle for trophy

Interclass competition during this year's Junior Week-Open House will consist of three main events: a track meet, softball games, and volleyball games.

Tug-o-war, a three-legged race, and a potato sack race will be featured in the track meet on Ogden field at 3 p.m. on April 27. Points will be awarded for first, second, and third place.

Softball competition will start at 10:30 a.m. on April 28, and any team not appearing by 10:45 will automatically declare a forfeit. Games will be five innings long and points will be given to the first four teams.

Volleyball competition will start at 1 p.m. on April 28.

When all these events have been finished, points will be added up, and the class having accumulated the greatest number will win a trophy with its name engraved upon it.

On the afternoon of April 28, coeds will play volleyball against the secretaries, and the winner will compete against new Honor I pledges. A bright spot in the activities, the outstanding varsity athletes dress themselves in female garb, some smoking pipes and cigars as they compete against the usually victorious women. Following this game there will be a contest to choose the loveliest pair of legs among the male participants.



KEN YAHIRO puts his weight into a long heave.



## Modern range causes rebirth of rifle squadron

By Bill Furlong

There was a time two years ago when competing on the rifle team involved certain risks which were inclined to be lethal.

It seems that the old range in the basement of Chapin Hall was constructed with the foresight peculiarly characteristic of engineers. The only entrance opened on the middle of the range, an arrangement which, with the lights that were inevitably shot out, made team members a particularly poor insurance risk. Naturally membership on the Rifle team and the Rifle club, its parent organization, dwindled considerably.

Since the new range was provided by the Navy in the basement of Alumni hall, the rifle team has become one of the most successful outfits in the Institute. It won seven of its first 13 matches, with two still unreported. Included among the victims were the University of Alabama, Harvard, Yale and Cornell.

The team will be seeking new honors tomorrow when it competes in the midwest regional meet of the National Rifle Association at Northwestern university. In addition to the team entry, Henry Henriksen will represent Illinois Tech in the individual events.

While the club includes 20 members—entry is dependent upon the applicant's accuracy—the team is made up of only 10 men. Mid-year graduations drained five of the men from the squad but Coach Jim Anderson still has Henriksen, Ken Slocum, Dave Halperin, Don Crocker, and Captain Len Druian on whom to rely. Anderson, a seventh term mechanical engineer, competes on the team in addition to handling the coaching duties.

The members of the team believe that the recent rebirth of the club is due greatly to the range handed them by the Navy. The 50-foot range has whitewashed walls that are only slightly pock-marked, automatic target setters, and an entrance at the rear, a feature which has encouraged attendance at practices immeasurably.

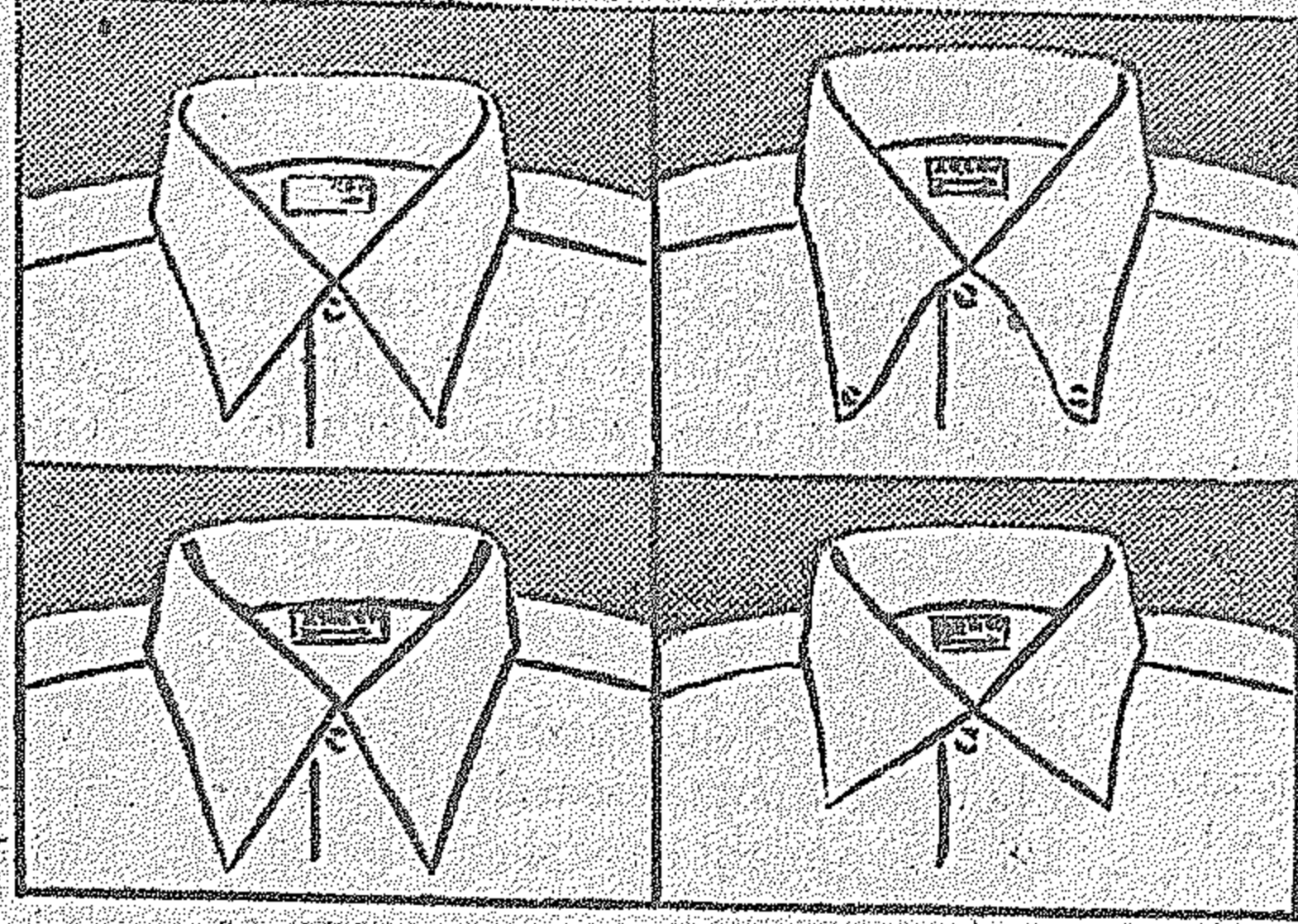
Only a glance is needed to identify the range as typically Illinois Tech. Smack in the middle of the range, rearing up in all their majestic glory, are two—PILLARS.

Actually they don't do a great deal of harm since only half the field of vision of two targeteers is blocked.

"Of course it isn't as bad as missing half of a basketball game," commented one member. "But if they ever get around to tearing out pillars, we hope that they'll take ours too."

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# MEL'S MUSINGS

by Mel Friedlander



The Ogden field obstacle course was the scene of bustling activity last Saturday afternoon.

Members of the varsity baseball team went through their practice chores with grim determination as they hustled after line drives, flies, and pop-ups on terrain that has long since passed even the remotest description of being flat. Ever fearful of the wavelike, precarious footing underneath, both infielders and outfielders approached hopping grounders with more than a normal degree of caution, knowing only too well that a foolish dash in the wrong direction might cause them to end up with a busted or sprained ankle, a fractured knee cap, or, with luck, nothing more than a stunning smash in the face due to a crazily bouncing ball.

Techawk trackmen were out en masse, but not for practice. It seems that runners must first have a track before they can do any racing, and this is something the thinclads never had.

The original so-called track, to be referred to hereafter as "Par-duhn's folly," did follow, more or less, the elementary blueprints. It had cinders, it had depth, it circumvented the field, it was rounded at the corners, and was rolled after the cinders were spread. The only trouble was that the cinders were too large, the inner layers of cinders



and dirt weren't deep enough, and the track was rolled by a hand roller instead of a steam roller. This inadequate rolling caused too loose a binding on the top of the track, and runners were constantly tripping over large bits of loose cinders and dirt.

With pickaxes and shovels, the track team was proceeding to undo the damage. First they dug up the binding of smaller cinders and dirt which was on the bottom of the track instead of the top, and spread this binding over the older layer. The new layer was then made hard and firm by means of a wooden slab which was towed behind an automobile and weighted down by the more beefier members of the team. The slab was substituted for a long promised but never seen steam roller.

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# Techawk nine primes for opener with Chi Teachers

By Leo Kiley

The 1949 IIT baseball team will open its 15 game schedule against Chicago Teachers' college at 3:30 p.m. on April 14 in Hamilton Park, 72nd street and Normal avenue. Following this contest, the Techawks will get only five days rest before taking on George Williams in their first home appearance of the season at Armour Square park.

## Sr. Archs, Wolves win initial IM softball tilts

By Ed Kooperman

The intramural softball tournament started off with a bang last Tuesday as the Wolves and the Senior Archs annexed victories over the Shulbitters, 13-12, and the Whiz Kids, 18-12. Fred Woeller paced the Wolves' attack with two home runs and a double in three times at bat for a total of six RBIs. The Whiz Kids were victims of shaky fielding and a flurry of long hits by the victors.

## TRACK

(Continued from page 5)

open for shot putters and pole vaulters.

The cindermen closed their indoor schedule by finishing behind North Central college and ahead of Morton Junior college. The score: North Central 67, IIT 46½, and Morton 15½. Cox was high point man of meet with a total of 15½ points. The meet served to show the team's weakness as they were blanked in the pole vault, and eked out fourth in the shot.

With the longer distances for the dashmen and hurdlers, and the added events of the javelin and discus, the trackmen may give you a treat tomorrow and win.



MILT COX, timber topping Techawk

A total of 33 teams are scheduled to scrap for the championship and second place awards. The teams are divided into four sections that will run on a double elimination basis. The winners of the sections will then compete in a single elimination playoff for the title. The perennial Senior Mechs, last year's champs, are back in strength to defend their title.

If all games are played on schedule, the title game will be played sometime in the last week of May. But Chicago weather being what it is, it may be necessary to postpone and cancel several games, making a full round of play impossible. In this case the leading teams in each section will play off for the title if the section champ has not been determined.

Bert Hoffman will act as commissioner of the tourney, seeing that the schedules are posted every Thursday on the North and South Union bulletin boards as well as in the gym.

In addition to administering the rules of the game, Commissioner Hoffman has obtained a fine staff of umpires to officiate at the games. A complete list of rules is available in the gym.

Ogden field has been divided into two diamonds, one in the northwest and one in the southeast corners. All games will be played on these fields.

Competition for positions has been so keen that Coach Ed Glancy has been hesitant in making the final selections. Captain Warren Melgaard is one of the sure starters in next Thursday's tilt, dividing his time between first base and catching. At the initial sack he will be understudied by freshman Bob Peterson. At the keystone sack Gordy Graenert, playing his third season for the Tech nine, has the edge on several candidates.

On the other side of the infield, the situation is in a high state of confusion, with the selection of a shortstop especially difficult. At present, it is likely that the starting position will go to either Bob McCue or Joe Bass. Vinnie Haughey, who played short last season, has been unable to take part in the workout as yet due to a severe hand injury sustained during the basketball season. The "hot corner" will go to either sophomore Henry Lokay or Bob Tabaloff.

The outfield is a much more stable proposition. Bert Hoffman will definitely start in left field. "Bert hit around .330 last year, and I'll be surprised if he doesn't hit .430 this season," stated Glancy.

Jerry Maatman, left-handed slugger, will be in one of the other outfield positions, while the remaining garden spot will be filled by either Don Ross or Primo Vordignan, a promising freshman. When Bob Leiser is not on the mound, he is sure to play center field.

The battery should be stronger this year than it has been in many a season. The catching chores will be shared by Melgaard and Dave DeLazero, former Fenger star.

In addition to Bob Leiser, fireball righthander, pitching chores will be shared by Roy Vietch, diminutive righthander, and Maatman. Two southpaws who have shown a lot of promise are Bob Zevitz, sophomore from Nebraska, and freshman Howard Anderle.

## Sport Shots

By Larry Shapiro

The golf team will hold its first practice session of the season tomorrow. The workout will take place at the Burnham Woods club, 142nd street and Burnham avenue, (on the Indiana State line near Calumet City). All men wishing to try out will be welcomed by Coach Sam Bibb, and will be able to play for \$1.25 on Saturday and 50 cents on weekdays.

Coach George Jennings is busy readying his racqueteers for Thursday's opening contest with Roosevelt college on the Armour Square courts.

Two freshmen, Norm Taxman from Sullivan high of Chicago and James Skipper from Alabama seem sure to crash the starting lineup headed by Captain Irv Buchstaber. Unexpected help may also come from Bob Hall, last year's captain. Hall will try to take time out from supporting his family of three to aid the team. (Who said no one here has any school spirit!)

On the IM front, Aaron Solomon won himself a trophy by defeating Karkal Rao for the badminton championship.

Be on the lookout for the Sport staff's "Gallop Pole" survey that will be taken to get the lowdown on the students' opinion of athletics at Illinois Tech.

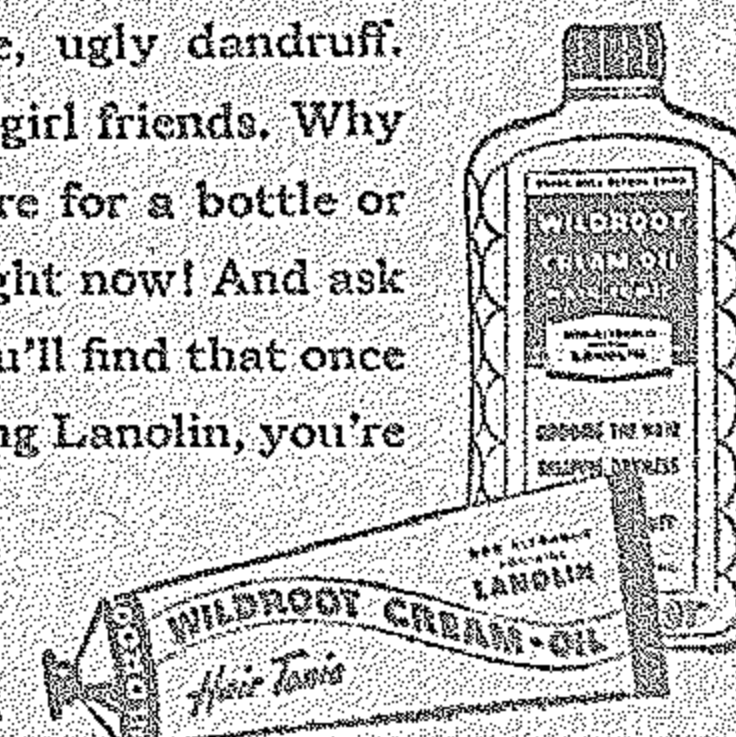
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# Preregistration ends April 22

Preregistration will end April 22 irrespective of any time lost due to spring recess or the Power conference, according to Raymond Meade, registrar.

Each student is asked to submit a list of desired subjects to his advisor before that date.

The courses are to be chosen from the preregistration bulletin which may be obtained from the registrar's office. This schedule was prepared in consultation with departmental heads, and unlisted subjects will not be offered during the autumn term.

"Classes are organized and administrative arrangements are made on the basis of the preregistration survey. If a student does not submit a tentative schedule, we cannot know what course he needs. Also, failing to register may cause overcrowding of certain classes. For these reasons students who do not preregister will not be allowed to register with their regular class. Instead they will be

required to register on the last afternoon of registration week," said Meade.

Meade stated that a program of 18 semester hours is the normal full time academic load for a semester.

In some instances departments require 19 or 20 hours. A student of exceptional ability may take a maximum of 21 semester hours by securing the approval of his academic dean. Summer loads are limited to one-half the permissible load of a regular semester.

Students are asked to make an unofficial list for their own use of the subjects they will pursue in the fall semester. Preregistration cards will not be available for inspection after they have been filed, stated Meade.

## Ellery Plotts to address radio fans

Ellery Plotts, CBS engineer, will speak to members of the Institute of Radio Engineers April 19 at 1 p.m. in 102 MC, according to Ed Hadley, president. Plotts, with 26 years of experience in broadcasting, research, and management, will discuss the responsibilities of a radio engineer and the opportunities for graduates in the commercial radio field.

During his career Plotts has seen service with Westinghouse Electric where he was in charge of design, manufacturing, and installation of studio equipment for Westinghouse radio stations.

In a ten-year period with CBS in Chicago, he directed FM installations and participated in a research program to synchronize KFAB and WBBM. Plotts designed and supervised the audio system of radio station WBBM.

He is currently dividing his time between consulting work in radio engineering and serving as technical director of radio stations WGES, WXRT, and WSBC.

## Man of the Week

# Lorber applies IE to sweater girls

By Johnnie Best

Chapter one of *The Lorber Story* is a fantastic tale of industrial management success at the age of 17 years. Chapter two: the army. Chapter three: IIT. Chapter four begins in June.

Seymour Lorber, 8th term industrial engineering major, was delivered at full term May 4, 1922, in Chicago's Douglas Park hospital, an institution more recently in the headlines as the property of a busy abortionist. Lorber, tired of the classroom, left Tilden Tech at 16 to work in his father's knit-goods factory. A year later, when his father was called out of town by illness in the family, Seymour found himself in full charge of the plant. He functioned independently in this capacity for two years.

The army infantry next claimed Lorber, sending him to Greenland as a supply sergeant. "It was there that I learned to apply the statistical method of least squares in ordering size assortments of

clothing for troops," Lorber smilingly remembers. "The results were appalling."

After his discharge from the service in November, 1945, Lorber—thinking better of things academic—sought and won his high school diploma at Lakeside evening school and eventually found his way to Illinois Tech in February, 1947.

Concentrating his extra-curricular interest in a few organizations, Lorber has joined only the A.S.M.E., W.S.E., S.A.M., and management honorary Sigma Iota Epsilon. His area of greatest activity has been the Society for the Advancement of Management, of which he is now chapter president.



LORBER

As secretary of SAM in 1947, Seymour worked on the IE-SAM exhibit which won first prize in that year's Junior Week contest and was again active in presenting the 1948 exhibit which copped the second place award against stiffening competition.

During Lorber's tour of duty as SAM president, the group has launched a series of management discussion meetings, established its Annual Smoker tradition, begun issuance of a monthly bulletin, initiated a weekly program of industrial and entertainment films, and developed a senior placement book. It is no wonder that membership in the SAM here has doubled and is still growing.

Currently, Lorber is collaborating with Bill Thayer in devising a complete accounting system to control the \$25,000-plus annual expenditures of the T.

But Lorber doesn't think that the solution to problems of student and faculty morale is bigger budgets. "To do its job right, a school like Illinois Tech must have more than the minimum loyalty and enthusiasm heretofore exhibited by staff and student body alike."

Lorber's six-foot frame is already taking on an executive aspect, but he may stay on at IIT, being qualified for graduate work by his 2.35 grade point average. He hopes ultimately to apply industrial engineering to heretofore neglected fields. It might mean going back into the "finished-goods", end of the textile trade. "If I do get back into the knit-goods field," Lorber pointed out, "the principles of time and motion economy will be applied first to production of the sweater-girl's favorite garment." And Seymour Lorber will do the job right.



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# Dedicate new dorms Monday

Farr and Fowler halls, first two dormitories completed and occupied in the long-range development program will be dedicated Monday, it was announced last week by John F. White, dean of development.

Ceremonies will be held at 1:30 p.m. in the downstairs lounge of Farr hall at the southwest corner of 33rd street and Michigan avenue. All students are invited to attend.

Other speakers will include Dr. Henry T. Heald, president of Illinois Tech; James D. Cunningham, president of Republic Flow Meters company, and chairman of the board of trustees of the college, and Newton C. Farr, Chicago

realtor and member of the board of trustees.

A plaque for each hall will be unveiled at the dedication. Inscriptions will read:

"Farr Hall—In memory of Charlotte Farr this dormitory is dedicated by her son, Newton C. Farr."

"Fowler Hall—In memory of Mr. and Mrs. James M. Fowler this dormitory is respectfully dedicated."

## tech timetable

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

- FRIDAY, APRIL 8
- Pan Hellenic council, 4 p.m., Exec. conf. room
- IVCF, 5 p.m., Exec. conf. room
- Pi Tau Sigma, 6 p.m., Exec. conf. room
- Eta Kappa Nu, 6:30 p.m., IHC room
- Rough Castings dance, 8 p.m., NU
- MONDAY, APRIL 11
- APO, 5 p.m., 102C
- Delta Tau Delta, 5 p.m., NU aud.
- TUESDAY, APRIL 12
- ACS, 1 p.m., 115CB
- How to Study course, 1 p.m., 203MC
- Model Airplane club, 1 p.m., 105C
- Record concert, 1 p.m., 202C
- Foreign students, 1 p.m., 305M
- Sophomore class meeting, 1 p.m., 115CB
- Biology and Food Technology club, 1 p.m., 217C
- Mechanics seminar, 4 p.m., 131MC
- Sigma Xi, 8 p.m., 115CB
- Sigma Xi, 9 p.m., NU lounge
- WEDNESDAY, APRIL 13
- SAE field trip, 7:30 a.m.
- Publications board, 1 p.m., 204MC
- SAM movies, 3 p.m., 131MC
- Thesis writing lecture, 4 p.m., 302M
- BE club, 4 p.m., 115CB
- Sailing club, 5 p.m., 102, 103MC
- SAM, 5 p.m., 103MC
- Sigma Kappa, 5:30 p.m., AH conf. room

# Seek Open House exhibit workers

With Junior Week rapidly approaching, the call is out for students to submit their ideas for the various departmental exhibits. Students who are interested in working on the Open House projects are also being urgently sought by the departmental representatives. Further information may be obtained from the following student chairmen:

- Architecture—Kenneth Anderson
- Biology—Robert Herman
- Business and Economics—Harry Nicholson
- Chemistry—Irving Melnick
- Chemical Engineering—Charles Padgett, Richard Anderson
- Civil Engineering—Don Rietz
- Electrical Engineering—George Schlosser
- Fire Protection Engineering and Safety—Marshall Peterson
- Home Economics—Virginia Rezabek
- Industrial Engineering—Tom Murray
- Mathematics—Barth Pollak
- Mechanical Engineering—Harry Himelblau
- Mechanics—Dr. Frocht
- Language and Literature—Grace Bussema, Ray Klopsch
- Metallurgical Engineering—Cliff Nelsen
- Naval Science—Quinn Waterloo
- Psychology—Dan Malone
- Physics—James Kouba
- Technical Drawing—Ronald Watson

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