



WORKMEN ARE PUTTING in the concrete block wall of the foundation of the new dormitory after 110,000 cubic feet of dirt have been excavated. See story on page 3.

Registration Order Decided; A's Lead Off Next Term

The A's have it! In a drawing Wednesday the A's were chosen as the group to be first to register next semester.

After the alphabet was divided into groups, each was assigned a number. Bob Ricker, ITSA president, placed the papers in a hat and Shirlee Langill, secretary of the ITSA, selected a number at random. Although the hat was shaken well, oddly enough it was the A group that was chosen.

The system will follow a regular rotational pattern in the future. Following is the order of registration for the next six semesters:

GROUPS

- 1—A to G
- 2—H to O
- 3—P to Z
- 4—G back to A
- 5—O back to H
- 6—Z back to P

ORDER OF REGISTRATION SEMESTER	GROUPS
1	1-2-3
2	2-3-1
3	3-1-2
4	4-5-6
5	5-6-7
6	6-4-5

After this the cycle is complete, the procedure starts over again.

Journalists Will Tour R. R. Donnelly Press

Members of all Illinois Tech student publications staffs will go on a tour of the R. R. Donnelly and Sons printing plant next Wednesday at 6:45 p.m.

This trip, sponsored by Pi Delta Epsilon, national honorary journalism fraternity, is the first trip undertaken in several semesters.

The purpose of the tour will be to familiarize students interested in journalism with large scale printing processes. Howie Baum, president of Pi Delta Epsilon, emphasized that "All members of student publications on the campus will find the trip of interest. Several large magazines such as 'Time' or 'Life', may be going through the presses during the tour."

Students attending classes late Wednesday afternoon will eat together in the cafeteria at 5:30, before starting the tour; those who prefer to eat at home should meet at the Donnelly plant, 2134 S. Calumet, at 6:45 p.m.

V. A. Calls Troubled Vets

Veterans who have not received subsistence checks for the current semester or the summer term should report to the V.A. office.

No attempt is to be made to contact every veteran individually. The V.A. is in North Union below the barber shop.

ARF Conducts Search For Crackless Plaster

In an attempt to find a lathing and plastering that will not crack, the applied mechanics division of the Armour Research Foundation, sponsored by the department of commerce, is conducting tests on the campus.

Ceiling specimens measuring 18 feet in length are being given bean tests at the present time in the large room at the north end of the TB1. Strains and deflections are measured by dial and electrical strain gauges.

British Diplomat To Speak Here

Sir Gerald Campbell, former British minister to Washington and career diplomat will speak December 8 in the North Union auditorium on "The Future of the English Speaking Peoples."

Sir Gerald has an intimate knowledge of this country such as few of his nationality have. Service in the British diplomatic corps around the world and in America qualify him to discuss British-American responsibilities in international affairs.

Though he has spoken extensively throughout America in connection with his official duties, this will be Sir Gerald's first American lecture tour. After serving in Washington through the war years, he returned to England in the spring of 1946. He has spent the past year studying the important social and economic changes brought to England and the many legislative measures introduced by the British-Labor government.

Freedom Of Speech Important

After World War II, Sir Gerald felt that we had come to a time of a battle of ideas. He once remarked, "The Four Freedoms will be substantial only if we prove worthy of them. If we have no freedom of speech, we will sow seeds of hate and then we shan't get freedom from fear. Those whom war hath joined together, let not peace put asunder."

Although Sir Gerald spoke mainly for English-speaking audiences, he could rise to the occasion in Portuguese, Spanish, French, Italian, and "in a pinch, Kishwahili and Am-beric."

Sir Gerald was born October 10, 1879 at Weston-Super-Mare. He was educated at Repton school and received his BA at Cambridge university. He entered consular service in 1907 coming to this country in

'Scratch Pad' Will Offer Champagne As Prizes

Love, Honor And Collect

From all indications the thirty-third street engineers are waxing romantic in spite of studies and the high costs of living.

After careful consideration of this development *Technology News* felt that these enterprising souls deserve a break and has decided to give wedding gifts to all Techawks who are married during the Christmas vacation—December 22 to January 5.

Students that take the wedding vows during this period and present their wedding certificate to the Managing Board of *Technology News* are entitled to a substantial wedding gift.

This newspaper is interested in proving that romance and college life are entirely compatible.

Although the exact nature of the gifts to be offered to family minded Techawks will not be revealed until December 17, Paul A. Thompson, editor-in-chief of *Technology News*, promised that "The gifts are of an extremely practical and useful nature."

Unique Performances Promised During Three Intermissions

"Scratch Pad," the coming sophomore class dance, will be unique in many respects, according to the dance committee. To illustrate this point—has any other IIT dance ever offered champagne as door prizes?

The dance, scheduled for 9 p.m. on December 5, in the Terrace Casino of the Morrison hotel, will be one of the most novel affairs of the year. There are going to be three intermissions and each one will feature a unique performance.

The first intermission presents an act that has been demanded by popular request. A questionnaire was passed among the students asking what act they would like to have presented and this performance was chosen by an overwhelming majority. The winning act will not be announced until the night of the dance.

Mumbles Quartet Sings

The "Mumbles" quartet will highlight the second intermission. "I feel sure that Mumbles will be able to elude Dick Tracy until after December 5. Even though the heat's on Mumbles and his gang are sure to put in an appearance," said Don Campbell, social chairman of the sophomore class.

A group of talented vocalists will render their interpretation of popular songs during the third intermission. The sophomore class officers have gone to great pains to acquire the presence of these vocalists on the night of the dance.

Those with sensitive palates will be glad to know that a quarter of a case of champagne is to be awarded as prizes during the evening.

Cavan Orchestra Featured

Between the intermissions there will be dancing and music furnished by Jack Cavan and his Edgewater Beach hotel orchestra. "The trend of the dance is collegiate, the atmosphere friendly, and the keynote novelty," grinned Don Campbell.

Assembly To Honor Top IIT Engineers

Outstanding freshmen and sophomores will receive awards at an honors assembly to be held at 11 a.m., December 11, in the North Union auditorium.

Awards are made annually to Illinois Tech students in each department by honorary engineering fraternities.

In the past, those honored have been presented certificates of achievement or handbooks pertinent to their specific engineering fields.

Pledges to Tau Beta Pi, national all-engineering honorary, will be announced at this time. According to a new ruling of the IIT chapter, the upper fifth of the senior and the upper eighth of junior class in all fields of engineering are considered for election.

Schommer Made Chairman Of Vet Foundation

Professor Schommer has been appointed chairman of the Hospitalized Veterans Foundation. The purpose of the organization is the raising of funds for the entertainment of sick vets.

No Issue Wednesday

Technology News will not be published Wednesday because of the Thanksgiving holidays.

June Graduates To Voice Final Say On Class Business

Business pertinent to all June graduates will be discussed at a meeting in the North Union auditorium on December 2, 11 a.m.

Such matters as an improved senior class policy, the senior farewell, class rings, and membership in various committees will be in the limelight. Contracts containing all changes in matters pertaining to the senior class will be drawn up and signed. Once this has been accomplished, no further complaints on the part of the 4B class will be heeded.

Speaking for the class officers, Bob Cunningham, president, stated, "It will behoove every first-semester senior to attend this meeting."

A 4B smoker is scheduled to be held on December 12, featuring color movies of this year's Rose Bowl game and boxing bouts.



Sir George Campbell

ITSA Recommends That Illinois Tech Adopt Hospitalization, Medical Plan

Board of Control of the Illinois Tech Student Association has recommended that Illinois Institute of Technology adopt a hospitalization and medical care plan.

This action was taken following the report recently received by the board that students have been injured while participating in intramural sports and other school activities.

ITSA president, Bob Ricker, appointed Bob Cunningham, senior B class president, as representative to the National Student Association regional meeting Sunday. The meeting, which will be held at Lewis Towers, is for the purpose of discussing charitable drives and other social functions.

Ricker stated that, "ITSA Board of Control will take a final vote on December 17th to determine if IIT

should become a member of the United States NSA." Discussion of this matter will also take place on that date at which time opinions from both sides will be heard.

All students will be given a chance to voice their opinions by balloting either through *Technology News* or by contacting any member of the ITSA Board of Control.

Technology News will carry articles both pro and con on the matter of ratification of NSA. Students who desire further information may direct their inquiries to the ITSA office.

We Believe . . .

The administration of Illinois Institute of Technology has seen fit to forbid all political organization on the campus. Any student organization that would possibly reflect the opinions, or act as pressure groups, of political bodies in the nation is outlawed.

We think that this regulation has been reached only after careful and prolonged thought. But is it wise?

It would seem that the function of the administration—regarding collegiate activities outside the classroom—is that of advising students, not enjoining them. We believe that students are adults entitled to reach their own decisions, however stupid these decisions may be. The only broad exception to this principle is that the administration should, of course, restrain students from immoral, illegal and subversive activities.

This principle seems self-evident. It is only another way of stating the inherent right of all Americans to free assembly.

We have, indeed, heard and considered one rejoinder to our principle; namely, that students have the right to free assembly but not as students. The college is a privately operated, authoritative institution, dispensing its own rules. This definition of a college is, we suppose, correct — from a legal, business point. It establishes the technical right of the administration to pass any regulations it sees fit.

We prefer, however, to define college more liberally, as an aggregation of administrators, professors and students working co-operatively toward two basic ends. 1) The education and development of its students and 2) Service to the community. By this definition the college is obliged to observe the rights of its students. There are, of course, schools which are—and frankly so—private business: in the narrow sense. For example, there are business colleges, trade schools, and the like. We prefer, however, to believe that Illinois Tech regards itself as an educational center, an institution devoted—among other things—to protecting, not infringing on basic human rights.

These are views we would like the administration to examine. We are still firm in the conviction that the administration will alter this, and any other of its regulations, which, upon reconsideration, it may regard as unwise.

Drumsticks And Slipsticks

It's time for the annual Thanksgiving editorial, replete with sumptuous phrases and solemn reasons why we should be thankful. We are not going to indulge in this traditional pastime again. It has all been said before, many times—in every possible way.

However, adjusting our focus to a much lower level of abstraction, we find ourselves overwhelmed with a pair of prospects unique to Techawks—an unlimited opportunity to sleep and/or catch up on neglected homework.

Thank Heavens the Pilgrims have landed!

TECHNOLOGY NEWS

Published every Wednesday during the school year by the students of Illinois Institute of Technology, Chicago, Illinois. Entered as second class matter October 10, 1940 at the post office at Chicago, Illinois, under the Act of

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Thanksgiving - A Holiday



Letters To The Editor

Key To Subversive Activities: Halve Wages, Return 13 Hour Day!

Editor:

Upon careful consideration of Mr. Castiglia letter regarding the Congressional Investigation of Subversive persons within the Union, I have decided that the Thomas Committee would be thankful for the following suggestions:

1. That all Union members with a working knowledge of Robert's Rules of Order be investigated by the Committee.
2. That, since only subversive characters take the time to study parliamentary procedure, all books of this nature be burned.
3. That, since union members are so unintelligent as to be influenced by this type of individual, they surely must be so unconscious as to be oblivious to the worst kind of labor conditions. So then I suggest we return to the 13 hour day, seven day week: in fact, let's cut wages 50 percent.
4. That's in conclusion, let us be thankful for Robert's Rules of Order so we can distinguish between "good" and "bad" Americans.

Hyla Siegel

Too Much Loose Talk—

Editor:

In the last issue of *Technology News*, a letter was printed implying that subversive activities are aided by a lack of knowledge of "Robert's Rules of Order." The remedy offered was a course in parliamentary procedure which would be about as effective as the no-smoking signs around IIT.

There is too much loose talk going around about subversive activities. Accusations are leveled against individuals and organizations without their having opportunities for defense. Ignored is the American tradition of a man being innocent until proven guilty. The poison-pen artists are at work smearing everyone in sight. Some of those who protest most for freedom of speech for themselves refuse it for others.

Quoting Bishop Oxnham of New York: "It is easier to summon us to a holy war than to solve the problems involved in establishing economic justice and world order . . . An ideology cannot be suffocated by poison gas nor demolished by atom bombs. Ideas are conquered by better ideas whose truth has been revealed in practices that enrich personality."

In America, in times of unprecedented prosperity, the lower income groups are priced out of the market, housing is a national disgrace, public health and education are neglected and discrimination in different fields is tolerated. As Dr. Hutchinson, editor of the *Christian Century* said, "Something morally precious has gone out of American life—something the ancients called magnanimity of soul."

Louis L. Fisher

(Editor's Note: *Technology News* will award a carton of Chesterfield cigarettes to each of the two best letters submitted to the Letter Box for any one issue. Letters should not exceed 250 words and must be signed although names will be withheld on request. To be eligible for any one issue, letters must be submitted by noon of the Thursday preceding publication. The editor reserves the right to shorten letters.)

Information For Free

Clearly, Then

By "Wild" Bill Furlong

That insatiable itch to cash a huge royalty check, a characteristic of embryo textbook authors, probably causes as much woe to struggling students as professors whose command of the alphabet begins and ends with "E."

Under continual pressure for some pocket money and an occasional desire to feed the kids, conscientiousness fades in the most well-intentioned textbook author. When a choice between giving an adequate explanation and cashing in the check a few hours earlier looms, he invariably picks the latter.

Daydreaming of those lush checks is the most potent pitfall facing an embryo textbook author. The initial surge of energy carries him through the first five chapters before his enthusiasm for the work lags. Then one night he comes home from an exhausting day at the blackboard, beats his wife for precisely 76 minutes, and sets furiously to work.

Thus far, he has been extremely conscientious using "obviously" or "it follows that" only once or twice a page. He was taking the student's viewpoint—he said.

Then he came upon that old derivation that had been mentally shelved for many years. There he paused to daydream. . .

"Now let's see" he mused. "Fifteen percent on a sale price of three dollars is around 45 cents. Now if we sell 5,000 copies I'll get about \$2,250. Hm-m-m, not bad." He decided to see what Defrocked had to say about that derivation. Defrocked cagily skirted the subject. The embryo author turns to Grunter, then Pentser, then . . . a feeling of panic clutches his stomach . . . everybody dodged the derivation. Does that daunt our embryo author? Yes!

Somewhat guiltily he turns to "obviously" in the thesaurus. Carefully, he probes the list for a new and different way to say it . . . "plainly, evidently, clearly, . . ." A sudden resolve overwhelms him.

"I'll show these bums. My book will be better than all of their's put together." Again he pauses. "But . . . since my book is going to be that good I might as well ask for 20 percent . . . and maybe raise the price to \$3.50.

He scurries industriously about, hoping to find his undergraduate notes and in them, the derivation. Abstractedly he contemplates the list of colleges on which he might inflict his book. "I think of' Darkfoot is head of the department at Epsilon Tech, and Cattell is in the driver's seat at Uranium U. And maybe with a little luck I can squeeze it into Chartreuse Polytech and Bewildered State U.

"Tulip bells and cockleshells; If my book is going to be that much in demand maybe we ought to raise the price to four dollars. Now let's see, 25 percent of four dollars for 10,000 copies . . ."

After counting his chickens before the eggs are hatched for a few minutes, the prof flips through his undergraduate notes to the obstinate derivation. Suddenly he blanches, grasps the table for support. The derivation is three pages long!

The embryo author glances at the clock. He makes a mental note to revise the book in a few years, sits with renewed determination at the typewriter and pecks: "Obviously, it follows that . . ."

Collegiate World

U. Of Alaska Cagers Dribble Over Opponents

By Don Goldsmith

Those who complain that IIT's basketball schedule doesn't include enough big names should see the schedule of the University of Alaska. The Northmen have carded games with Fairbanks High School, the Elks Club, Eagles Club, Civilian Welfare, Dreamland Bar, and the Sky Lounge. The game with the Elks Club might be interesting, because in Alaska they probably use real elks.

The last two games have possibilities; these games with the Sky Lounge and the Dreamland Bar might set a precedent for games between colleges and night spots. Perhaps in a few years, sports headlines will scream: "IIT Cagers Crush Empire Room," or "TECHAWKS STAGGER TO VICTORY OVER THREE DEUCES." The Alaska University athletic department is now conducting a house to house (or igloo to igloo) survey to find more basketball players.

Slipstick

A number of erudite remarks have come to our attention lately. Foremost among these is the one concerning the more aesthetic arts, namely, a girl isn't an artist just because she paints and chisels.

IIT

The inquiring reporter of the "De Paulia" of De Paul University asked the question, "What is your favorite way of relaxing?" Of all the answers, long and short, the one most succinct and to the point was that given by one Vern Lipps: "I'm a newlywed."

IIT

When he was introduced to a Mrs. Hummock, a man tried to fix her name in his mind by rhyming it with "stummick." The next day he met her again and greeted her, smiling, "How do you do, Mrs. Kelly."

IIT

(This one is a gift for the bachelors). "Pop," asked Junior, "how do they catch crazy men?" "It's easy," said Pop sourly, "With a little rouge and lipstick, a new dress and some perfume."

IIT

She: There's one thing I want to tell you before you go any further.

He: What's that?

She: Don't!

IIT

Said the woman customer to the banker, "I would like to arrange a loan."

Banker: "You'll have to see the loan arranger."

Woman customer: "Who?"

Banker: "The loan arranger! The loan arranger!"

Said the woman customer: "Oh, you mean the one who says, 'Hi-Ho Silver?'"

IIT

"He goes to IIT? Is he a nice boy?" "No dear. You'll like him."

IIT

We close with this rather profound observation. A wolf is a fellow who knows all the ankles.

The weatherman was called into court on a speeding charge.

"I'll let you off with a fine this time," said the judge, "but another day I'll send you to jail."

"That's exactly what I expected."

"What do you mean?"

"Fine today, cooler tomorrow."

ME: "Do you know that girl over there?"

EE: "Sure, she's Helen Carrs."

ME: "How is she on a park bench?"

High School Students Take Examinations For Scholarships

Scholarship examinations for accredited high school graduates will be given on the campus December 6 under the auspices of the admissions office.

Men and women who are already enrolled in college are eligible for scholarships which will cover full tuition for two semesters beginning this February. Announcements of the examinations have been mailed to over 1000 high schools in the Chicago area, and a large attendance is expected.

Two separate examinations will be held at this time: one for Engineering students, and one for those interested in Liberal Studies. They will consist of objective tests covering natural aptitudes and high school achievement. Candidates selected after notification of examination results will be given personal interviews; and final selections will be made on the basis of examination scores, scholastic record, personality, activities, and general fitness.

Warren S. Sivertsen, director of admissions, emphasized that candidates need not have been previously selected by the admissions office as in the past; the only requisites are that students must be qualified academically as outlined in the general bulletin and that an application for admission must be submitted.

The examinations will be held from 8:30 a.m. to 1 p.m. in the

June, 1947, graduates and not

Auditorium of the Chemical Engineering and Metallurgy building and in Room 305 Main. Qualified high school graduates are urged to phone or write the admissions office as soon as possible to arrange for taking the examinations; special arrangements will be made for persons living outside the Chicago area.

AIEE Meets Tuesday

A demonstration and discussion of Armour Research Foundation's magnetostriction torque meter will be given at the AIEE meeting Tuesday, to be held at 11 a.m. in the Metallurgy building auditorium.

Donald D. Schover, Associate Engineer at the Foundation, will address the group with what has been promised "a most interesting as well as educational" talk.

AIEE Chairman Phil Cox stated that the last 15 minutes of the meeting are to be devoted to informal discussion with Mr. Schover or other members.

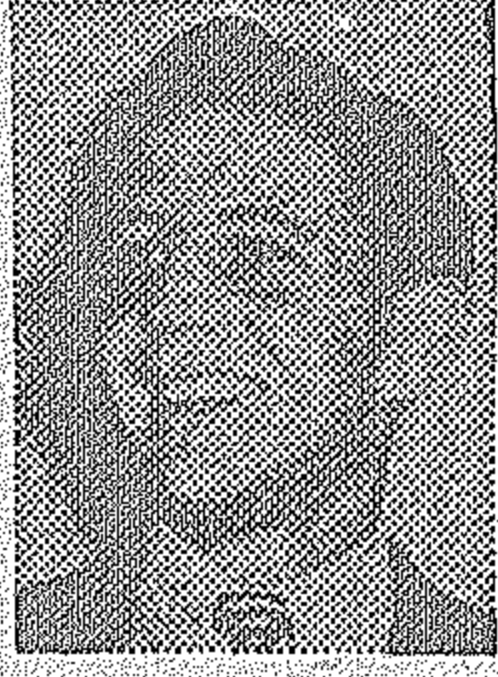
Refreshments consisting of doughnuts and cokes will be served during the discussion period.

Man of the Week

Harry Twickler Looks Forward To Soft Job As Fire Protect

A soft job as a special agent for some company in the insurance field or as a Fire Protector engineer is the plum Harry Twickler looks forward to after his graduation in January. Having acquired an intense interest for Fire Protection while in the service Harry abandoned previous plans of being a mechanical engineer to attain his goal.

Like many other philosophical engineers, he prefers to spend a good deal of his time talking with anyone and everyone about nothing rather than studying the engineering courses, but he has managed to pull through his college career with not too much difficulty.



There is no "matrimonial star" shining over his head as yet but Harry hints the tying of the knot not too long after graduation.

Harry came to IIT in March '44 under the Navy V-12 program after having spent the previous two years seeing what he could see via Uncle Sam. He doesn't know if it was his AMM2/C rating or a touch of pyromania that turned his interests but after his discharge last year "civilianified" Harry returned to IIT as an FPE.

You might find Harry at meetings of the FPES and the Newman Club or, since the receipt of a major letter in wrestling—at a meeting of the Honor I. He spent about a year and a half in the CCC and put in a little time as an apprentice draftsman and machinist for several engineering concerns. A couple of other titles he added to his list are president of his Junior class, treasurer

of the Delta Tau Delta house and Senior class and delegate to the NSA at Madison.

Harry is in the dark about a couple of points around here. He doesn't quite understand why with increased income from higher tuitions, no more funds have been allotted to cover increased operating costs of students activities than were used when prices were at a more normal level. He'd like to see a couple of free Friday night dances—given by the school—and he's "sorry that the school can't put more money into athletic activities—especially swimming and the other existing major sports."

Harry graduated from the Kenmore high school of Akron, Ohio, in 1938 and put in a year at Akron University before joining the Navy.

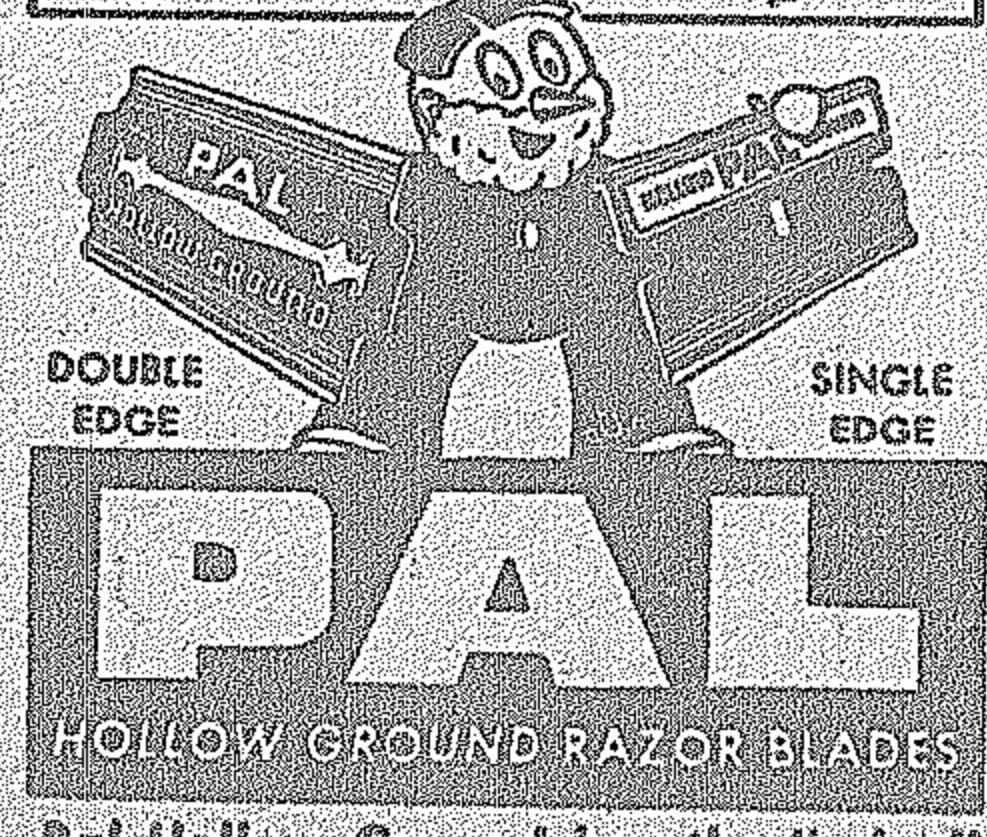
MEN

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Pal Hollow Ground has the "edge"

IIT Will Charge Vets \$2.00 For Replacement Of Lost Allotment Books

Supplying veterans with new allotment books proved so costly that Maurice Dorr, Institute comptroller has imposed a charge of \$2.00 for replacing lost books.

At the time of registration in February, 1948, it will be necessary for the veteran to have his allotment book in his possession at the time he registers. If it is necessary to issue an allotment book to replace one which has been lost or forgotten, a \$2.00 charge will be made.

All veterans who drop out of school must turn in their allotment books to the Business office. In the event a veteran who has dropped out returns to school, he should pick up his allotment book from the Business office before he registers.

Dormitories Are Rising

The students housing project at Illinois Tech is progressing at a normal rate with no unforeseen difficulties arising thus far.

Two dormitories, one at 32nd and Michigan avenue and one at 33rd and Michigan, have reached the brick-laying stage. Piles of cream colored brick are being converted into the four story buildings, each of which will be "home" to 100 students.

Getting Married?

If you are getting married during the Christmas Holidays, see the story on page 1 col. 3.

Graduates To Hear Schommer Speak On 'Placement In Your Future Career'

Prof. John J. Schommer, director of placement, will address the Senior A class Tuesday at 11 a.m. in the Chemistry building auditorium.

President Will Kedrow, in meeting, pointed out that answers to questions about everything pertaining to graduation will be given at this meeting.

Professor Schommer will talk on "Placement in Your Future Careers" and will point out important things which must be done for steady advancement. Concerning the meeting he said, "Cooperation is the one big accomplishment necessary to inculcate as one of your personality traits. Begin it now by being at this meeting, which is for your benefit and yours alone."

Other items to be covered at the meeting are: a sampling of class opinion on the holding of a baccalaureate service, announcement of pertinent facts on the senior farewell, final commencement details, definite word on graduate invitations and announcements, and details of the luncheon to be given for graduates by the alumni association.

Henig And Smithburg To Debate On Dec. 4

"Should we revive the OPA?" will be the topic of a debate at the next meeting of Business and Economics club December 4.

Professor Harry Henig of BE department and Professor Donald W. Smithburg of PSS department will discuss the subject at 11 a.m. in the Metallurgical building auditorium.

Placement

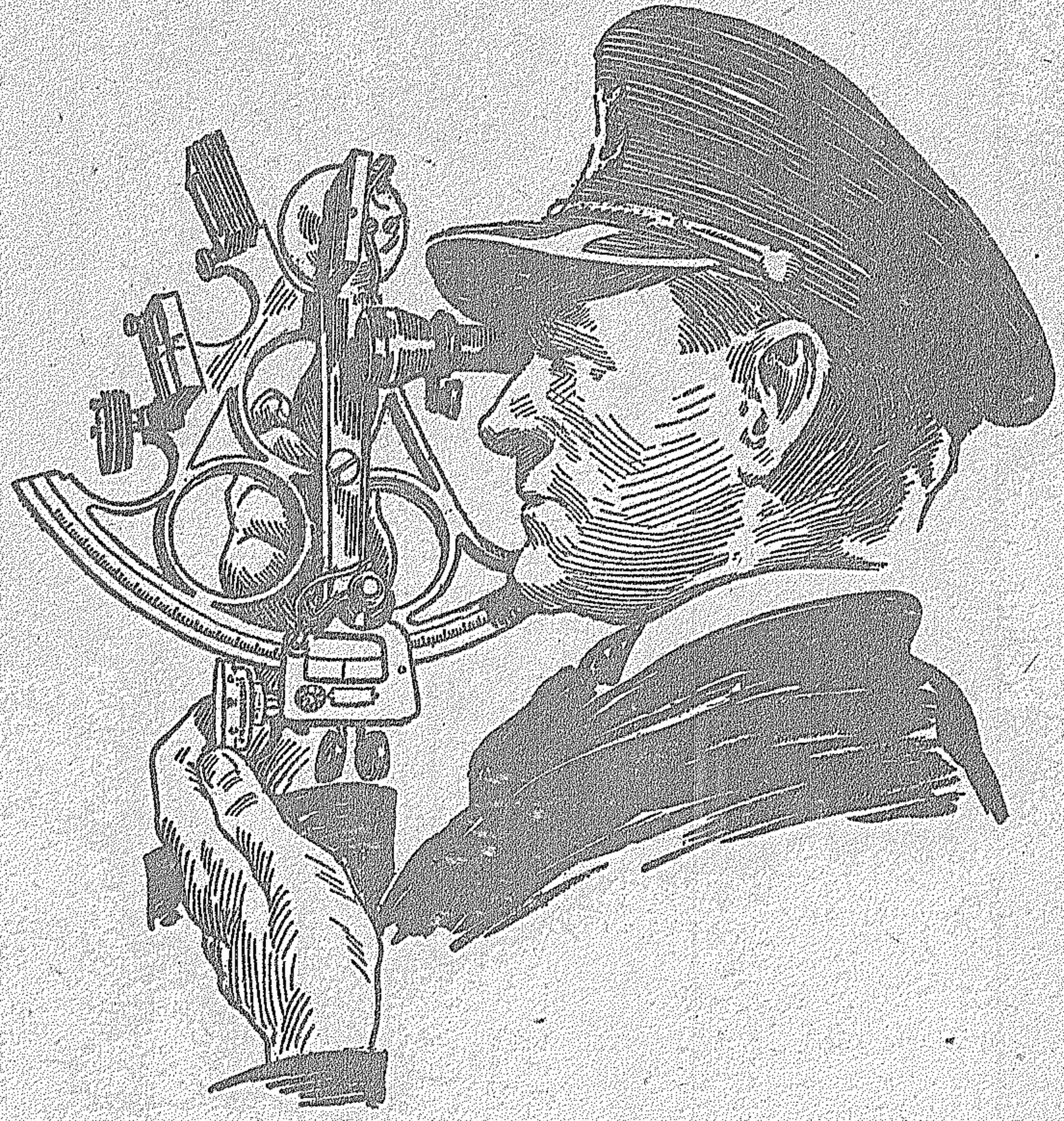
- MONDAY, DECEMBER 1
Western Union
- TUESDAY, DECEMBER 2
Employers Mutual Ins. Co.
- WEDNESDAY, DECEMBER 3
Employers Mutual Ins. Co.
Sundstrand Machine Tool
R.C.A. Victor Corp.
- THURSDAY, DECEMBER 4
International Paper Co.
- FRIDAY, DECEMBER 5
The Kawneer Co.
- MONDAY, DECEMBER 8
Worthington Pump and Machinery Corp.
- TUESDAY, DECEMBER 9
Swift & Co.

Sunday Night Dances Held In Bal Tabarin

Of interest to Techawks are the Sunday night dances held weekly in the Bal Tabarin room of the Hotel Sherman.

Attended by the young people of Chicago's colleges, the dances are informal in spirit, and provide the lighter mood which many engineering students need between weeks of study.

Dancing music is rendered by Dick Barrie and his "Music of the Stars" orchestra.



Business, too,

must have expert navigation

IN the telephone business, much of the knowledge of "where we are" and guidance as to "where we are headed" comes from the analysis of statistics.

Telephone statisticians and engineers are constantly studying trends and figures. They assemble the facts, analyze them, correlate them, discover their significance, draw guidance from them.

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Tech Splits; Lawrence Wins, Alumni Lose

Senior Mechs IM Champs!

Down Junior Gremlins 20 - 0 In Title Game

By Larry Shapiro

The IM football championship was captured by the Senior Mechs on Ogden Field Thursday before a crowd of onlookers.

The Mechs handed the previously unscored upon Junior Gremlins a convincing 20-0 licking. Offensively, the sparkling passing of Bill MacDonough and George Erhardt and the outstanding receiving of "Swede" Swanson and Herb Howe enabled the mechanicals to gain ground consistently.

Defensively, the Mechs fielded a hard charging line that was led by Ernie Krause, and backed it up with top notch pass defenders.

Ray Bulka, Harry Marcado, and Ron Ursich were the Gremlin stand-outs in their losing battle with Bulka firing a long heave to Marcado to set up the lone Gremlin threat.

Marcado kicked off for the Gremlins and the Mechs immediately took to the air. A completed pass took the Mechs to midfield and on third down Erhardt threw a long pass that Ursich intercepted on the Gremlin five.

Interception Leads To Score

Harry Marcado was badly rushed on the following play and fired a pass that was intercepted by Erhardt on the Gremlin 15 yard line. A rush failed to gain and then Erhardt tossed to Herb Howe in the

Continued on page six, col. 3

Intramural Swim Talent Shown

The intramural swimming meet of Thursday had a turnout of 34 swimmers and some promising talent was shown.

Thirteen were entered in the forty yard freestyle. The race was broken up into three heats with four men going to the finals. They were A. H. Kuhn, R. Grines, R. Dreffin, and J. H. Rice. Rice won with a time of 21.8 seconds. The 40 yard breaststroke was won by Len Carlman with a time of 25.5 seconds. W. Erickson took the 100 yard freestyle in 1:09.4, Grinds finished first in the backstroke event in 24.5 seconds.

Colbert won the 220 yard freestyle in 3:37.7 seconds and Lokay was the best diver. The winning relay team was Grines, Lokay, and Carlman with a time of 1:10.7 seconds. Dymek, Erickson, Kuhn, and Smythe won the 160 yard freestyle relay in 1:33.7 seconds.

Ed Glancy announced that awards will be given before the Christmas vacation. Gold medals will be given to the first place winners and silver medals to second place winners where the number of entries warranted it.

IM Bowling League Plans Under Way

An IM mixed bowling league is tentatively scheduled to start early in December.

Those interested should organize teams or enter individually, by placing entries in the *Technology News* box. The league will be organized only if sufficient response in the form of entries is received.

Competition will be on a handicap basis and will run for about two months. The Monti Bowling Alleys, located near IIT at 2035 S. Wabash, have been lined up between 4 and 6 o'clock.

As a result bowlers could go directly from school to the bowling alleys.

Team and individual prizes will be awarded by the IM department, while bowlers will pay for their own lines.



A FAST BREAK PAYS OFF as Phipp Uras puts a lay up shot thru the hoop with Cliff Oliver of the Alumni Varsity attempting to block the shot.

Force OK's Bleachers

The purchase of bleachers was given the green signal by Gilbert Force, Tech business manager Friday.

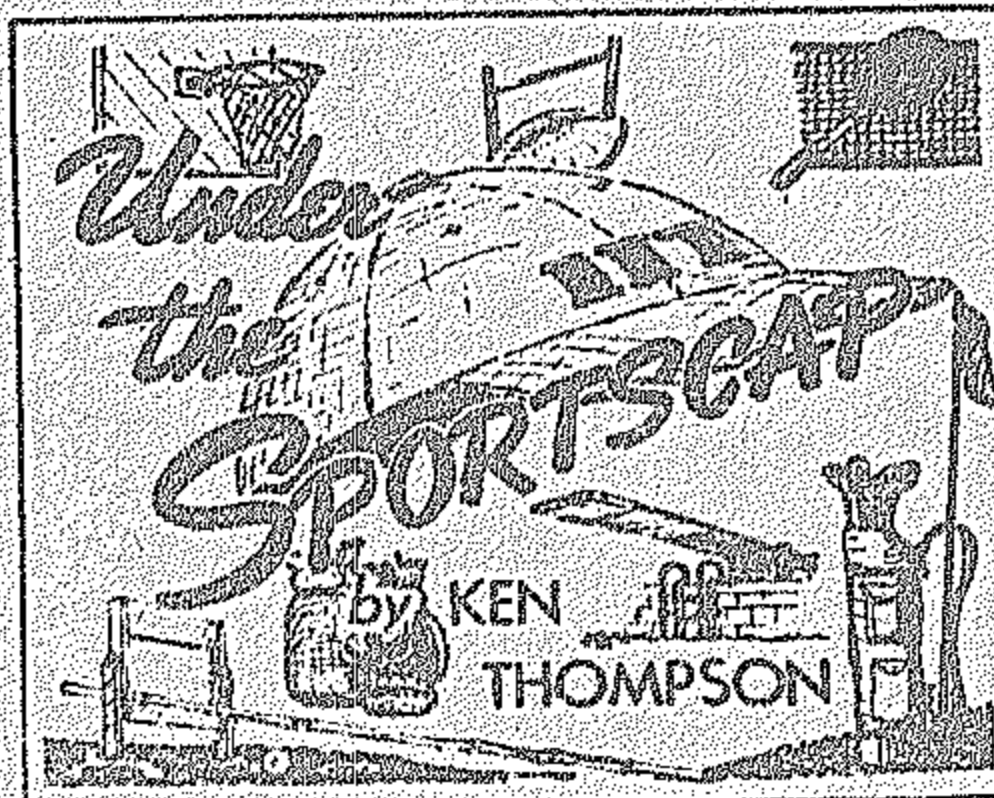
The bleachers will be purchased and installed pending an investigation of practicability and safety. However, little difficulty is expected in either line. Plans for the gym made last summer by John Ahern of the FPE department, Mr. Force of the business office, John Schommer and Sonny Weissman of the Athletic department included the bleachers, with the general consensus of opinion at that time being that bleachers were both practical and safe.

Because the \$14,000 originally allotted for the furnishing of the gym was used, Mr. Force had to reallocate funds in order to make possible the purchase of the bleachers. This was the reason for the long delay. Now that Mr. Force has made the funds available prompt action is expected. Benches will be furnished at the games until other seats are available.

Techhawk Harriers Place Fifth In Normal Meet

The Techhawk harriers finished their cross-country running by placing fifth in a large meet at Normal, Illinois. Jim Sauer led the IIT group by placing nineteenth in a field of more than 50 runners.

With this phase of their training completed the trackmen are concentrating on improving their speed over shorter distances. It is planned to taper off for the rest of the year, then begin vigorous training early in January. As the squad is still lacking in depth, all prospective track or field candidates are urged to report to Coach McCauley.



The IM swimming meet produced a wealth of talent but unfortunately these men felt they couldn't spare the time to swim in varsity competition. Last semester Jim Oldshue played varsity baseball, basketball, worked as sports editor two semesters, competed in many intramural sports, was an officer in several societies and still carried a 2.7 average. If Jim could carry that load surely an average student can find time for a varsity sport.

A recent check up of track equipment revealed 40 hurdles worth \$18 a piece were either stolen or used for fire wood. That's where the money goes.

Turner and Guthrie, the enterprising campus printers, have made available 1000 prints of Tech's basketball schedule. Anyone desiring a copy may pick one up in the *Technology News* office.

The ITWA has picked an all star team from its league to enter the intramural league. The players voted best were Audrey Stoltyne, Audrey Solomon, Kay Kawalick, Audrey Reed, Pat Nash, Maureen Boyle, Jean Rosmussen, Pat Thomas, and C. Miller.

Cagers Trounce Alumni 46-25 Then Lose To Lawrence 53-38

Smoker Guests Hear Kolloway

Don Kolloway, second baseman for the Chicago White Sox, highlighted the second annual Alumni-Honor I sports smoker. He led an open forum on baseball and answered all questions put to him by the crowd.

During a discussion of the Yankee-Dodger world series last fall, Don admitted that the first two games were below par for major league play. Thereafter, though, the boys departed themselves "in a fashion befitting big leaguers."

White Sox Seeking Pitchers

Kolloway displayed considerable tact in answering the question of who is the best manager in the majors. Replying to Pat, the campus barber, Don said, "I suppose I should say Ted Lyons." Don revealed that the White Sox are seeking a couple of starting pitchers (what team isn't) and possibly a new first baseman.

Don also threw in a partisan plug for the superiority of the Junior circuit over the older, National league.

The evening's festivities began with a smorgasbord which was set up in the new conference room of the North Union. The various dishes were consumed amid much backslapping and reminiscing. After eating their fill, the guests gathered in the auditorium.

Slugfest Called Draw

Here three varsity teams presented matches to determine the number one man in various divisions. The first was a boxing match that paired heavyweights Ed Kooperman and J. Hansen. Their vigorous slugging bout was called a draw. These gladiators were followed by a pair of whirlwind lightweights, Beck and Malone. Their fast bout was also termed a draw.

Next the wrestling team took over. Joe Paul became the number one man in the 135 lb. division by pinning Julian Snyder in 1:16. Then Levi and Walczak wrestled to a draw in the 150 lb. division. This was followed by an exhibition between Ginter and Taussig in the 175 lb. division.

Harry Peyser became the fencing team's representative in the saber class by outscoring T. Kroh, 5 to 3. In the final match Polikov overcame Sims 5 to 4 in the epee class.

Then came the aforementioned baseball forum. The evening was closed with a brief talk by John Schommer, our athletic director.

Led by 6 foot 3 inch center Carl Bergstrom who dropped in 12 points, Illinois Tech's cagers successfully launched their new season by fashioning a decisive but sloppy 45-25 victory over the Alumni in the new campus gym last week. This marked the first time a Techhawk varsity team played a game on their home floor in 25 years.

With their coach, Ed Glancy watching closely, the new quintet, obviously under pressure could never quite get their high geared "fast breaking" offense started. The Alumni, though sparked by numerous individual stars, played a ragged and careless game, marked by numerous personal fouls, many of which went unnoticed.

This in turn added to the Techhawk's frustration, since it is pretty hard to play smoothly against this type of opposition.

The contest did, however, give the boys a chance to get used to each other's weaknesses, and also produced some outstanding team play. Little Sherman Roberts showed a remarkable ability to "fire" up the squad whenever he came on the floor, and Carl Matson's perfectly timed under the basket passes set up many shots for the Johns, Mikota, and Fleck.

"It is this type of play that should prove valuable in the future," said Glancy.

The new coach fulfilled his promise by playing every member of the squad who was physically able, and the most consistent fault shown was lack of experience.

Lawrence 53 Tech 38

player	fg	ft	pts
Swenson	1	0	2
Nelson	3	1	7
Weber	2	1	5
Weaver	6	6	18
Vanderweiden	2	0	4
Radke	0	1	1
Tippett	1	0	2
Burton	3	3	9
Curry	2	1	5
Cooper	0	0	0
Smart	1	1	3
Fleck	1	1	3
Bergstrom	2	6	10
McHale	0	0	0
Rosback	0	0	0
Rebers	1	0	2
Leiser	3	1	7
Mikota	2	4	8
Swanson	1	2	4
Uraski	0	1	1

you are invited to
a famous room
to enjoy
a great band
meet new friends at the
"sunday night dance"
informal mixing in the beautiful
bal tabarin ballroom
"music of the stars"
with dick barrie . . . his hollywood orchestra
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8:30 p. m.
ladies, .75
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in conjunction with St. Peter's Church bldg. fund
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'Pigskin Prophets' Ends Season; Venture Drew Great Response

By Jim Wangersheim

"All good things must come to an end"...and like most every successful venture, you gotta sit around and have one last "bull session" about it. Leave us not be different.

Hardly an original idea, though new to a college newspaper, 'Pigskin Prophets' made its initial bow in *Technology News* in the October 8th edition. Totally unprepared for the tremendous surge of interest of the student body we had not planned to offer many valuable prizes at that time. However, much to our surprise, when more than 200 entries came pouring into the boxes, we had no alternative, but to 'up the ante'.

With the cooperation of the makers of Chesterfield cigarettes, we were able to secure tickets for all the remaining Chicago Bear and Cardinal home football games.

No Tickets For Deciding Game
Since the western division of the National football league has been such a red hot race all season, each of these grid battles was a "do or die" affair for all concerned. As it looks from here, the deciding game will be the tilt between these inter-city rivals. Tragically enough, the college football season will have ended by that time, and we will be unable to present a suitable contest card. With the announcement of the winners of the November 22nd contest, in which the entries numbered over 600, 'Pigskin Prophets' brings to an official end a highly successful inaugural season.

This is also a perfect time to thank all of those who showed consistent interest throughout. We certainly will be looking forward to next year's gridiron season.

Whether it will be advisable to continue during the basketball schedules has not been decided yet.

Rules Changed

The winner of the October 11th contest was senior IE Herb Zaltzman, who not only picked winners, but had to be accurate with all 12 of the scores. Such colorful games as Illinois-Army, and Purdue-Notre Dame were on this card. The rules were changed for the October 18th battles, when Marshall Stein, a sophomore ME found it necessary to pick two scores out of the 12 in order to win on a perfect entry. He was the only entrant out of what now numbered 400 who picked the unexpected win of SMU over the Rice Owls.

The contest of October 25th was marked by two stunning upsets, as the Lions of Columbia tripped mighty Army for their first loss in 34 starts, and the surprising Purdue Boiler-makers outlasted Illinois. Despite these losses, Bill Riley, a senior ME, walked off with the tickets for the Los Angeles Ram-Chicago Cardinal game, our first ticket prizes. With

this the number of entries passed the 500 mark. J. H. Rohlf, a junior CE, saw the thrilling Bear-Green Bay battle, by winning the November 1st card.

The same Packers returned to Chicago to play the Cards, and this game was witnessed by senior ME Osmund Orland, who headed a list of 36 perfect cards for the week of November 8th.

"Monk" Molitor, a junior Met. E. major, turned in a near perfect card in the November 16th contest, as he missed only the Iowa-Minnesota score. Tickets for the Chicago Bear-Pittsburgh Steeler tilt were his "spoils." T. L. Smok, W. Mitchell, W. Greenberg, D. Felsenthal, B. Zimmerman, M. Stein, Sid Doppelt, M. Zaretsky, H. Himmelblau, R. Kravis, C. Kalenian, and J. Armstrong followed in that order, each receiving Chesterfield cigarettes.

Pi Tau Sigma Expands

The Delta chapter of Pi Tau Sigma held a formal initiation of the largest pledge class in its history. The new members, 22 in number, including Dr. Ralph Owens were initiated in the Chicago Room of the La Salle Hotel on November 21.

Radio Fraternity Has Fourteen Men In Pledge Group

Rho Epsilon, honorary radio fraternity, has pledged fourteen men.

Chosen from the student body on the basis of their scholastic ability, interest in radio, and campus activities, these men were guests at a smoker held last week in Rho Epsilon's quarters.

The new pledges are Charles Allen, Robert Amstutz, Sam Balai, Sherwood Benson, Wilbur Elias, Fred Faulkner, Arnold Harrison, Raymond Preston, Robert Roderick, Charles Schram, Isaac Steinhoff, Robert Swartwout, Emil Tanana, and Roger Wolff.

During their pledge period, the men must complete radio projects that will later be used by the fraternity on the school.

Soon under way will be construction of meters and indicators, erection of a new television antenna, and installation of a public address system to provide FM music and ITSA announcements in the South Union.

Getting Married?

If you are getting married during the Christmas Holidays, see the story on page 1, col. 3.

Reorganized Dramatech To Present Play Dec. 16; "Dust Of The Road" First Production On Roster

"Dust of the Road" by Kenneth Sawyer Goodman will be the first play to be given on December 16 by the reorganized Dramatech. The play has been completely cast and rehearsals are taking place regularly.

There is still a demand for technicians in stage lighting, stage design, and set construction. Propmen and costume experts are also needed.

Anyone interested in these positions should contact one of the committee members so that they may attend the tours of amateur acting companies and professional stage

plays that are being arranged.

Dramatech meetings are held on Thursday at 11 a.m. in 102C.

CLASSIFIED ADS

Classified ads may be inserted in *Technology News* for three cents per word. Contact *Technology News* office. Payable in advance.

FOR SALE

Magazine subscriptions. The Perfect Xmas gift. Handle them all. Joe Abrams, ARM. 1135.

Typewriter, Woodstock, standard 10" office, \$75. Typist's large desk, adjustable chair also available. Call Chambliss, ENG. 9331.

English "Ensign" F4.5 Camera, folding full 120 German movie camera. Japanese spy camera, one cubic inch. Both in perfect condition. Complete with cases. Abrams, ARM 1135.

FOR RENT

Double sleeping rooms and bath with complete kitchen privileges. Three blocks from Bryn Mawr "L". E. G. Loftus, EDG. 6393.

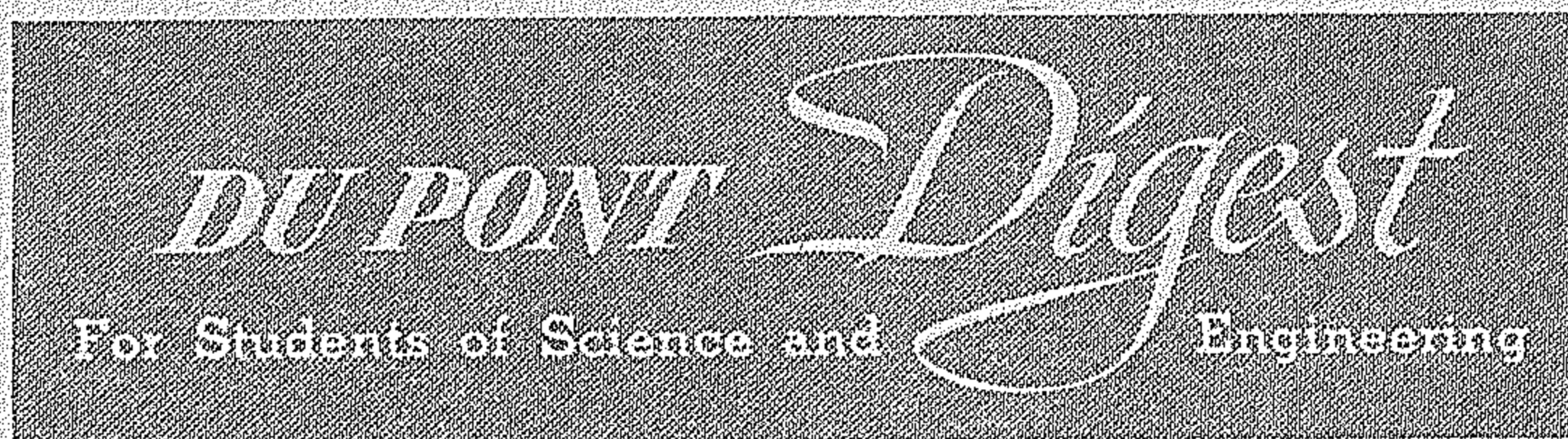
LOST AND FOUND

Lost—Black fur-lined gloves. Entrance to 205 Main. Tuesday, November 11, 11 a.m. PEN 5293, after 6 p.m.

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24 Hour Estimating—3 Week Service

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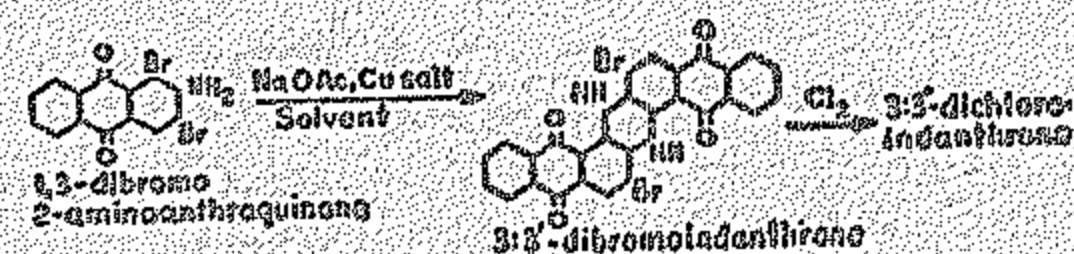
Development of dyes requires both physical and organic chemistry

The synthesis of a new dye in the laboratory or even the development of a manufacturing process from that synthesis may still be a long way from the realization of the full potentialities of the new compound as a coloring material. This is illustrated by the commercial history of the exceedingly fast bright blue dye indanthrone and its halogen derivatives.

Indanthrone was the first known anthraquinone vat dye and has led tonnage sales of vat dyes in the U.S. since its introduction, despite the commercial use of well over 200 types. In 1901, Bohn first synthesized indanthrone by KOH fusion of 2-aminoanthraquinone, but the yields obtained were in the range of only 25-30 per cent. Because of the industrial importance of indanthrone, and the low commercial yields obtained by the original fusion procedure, a great deal of research time has been spent in its study.

Several U.S. patents record the fact that Du Pont organic chemists have made outstanding contributions in this

field, particularly by developing the intercondensation of 2 moles of 1,3-dibromo-2-aminoanthraquinone and replacing the bromine by chlorination to give 3:3'-dichloroindanthrone ("Ponsol" Blue).

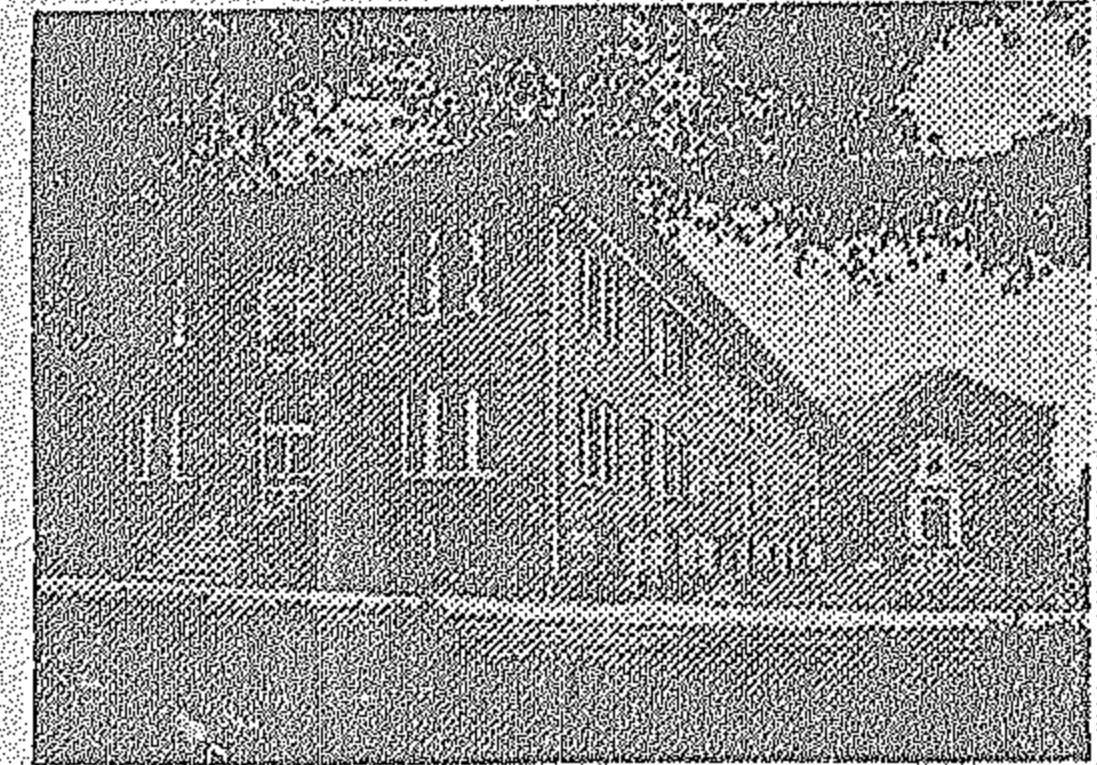


This fixes the chlorine in the desired positions to give a product with greater bleach-fastness than indanthrone and minimizes extraneous substitution that always accompanies direct chlorination of indanthrone. The commercial yields of 3:3'-dichloroindanthrone now being obtained by Du Pont are markedly greater than those obtained by Bohn and his workers.

It is just as important, however, that a water-soluble dye be made in a physical form that gives optimum shade and working qualities, such as perfect dispersion, freedom from specks, rapid re-

ducibility and storage stability. A significant Du Pont contribution to the production of vat dyes in optimum physical form is called "turbulent flow drowning." In this procedure, the color is dissolved in strong H₂SO₄ and then diluted by a large volume of water in a constricted tube. High turbulence is maintained during dilution and produces uniform dye particles.

In this development the work of physical chemists and physicists, aided by electron microscopy, ultra-centrifuging, infrared and ultra-violet spectrometry and other modern techniques, was of major importance.



One of the three wings of the Jackson Laboratory, where a large portion of the basic research on dyes is carried on. The new \$1,000,000 addition on the right is nearing completion.

The conversion of laboratory findings to a plant operation often presents unique and difficult problems that require unusual ingenuity on the part of chemists, chemical, mechanical and electrical engineers. The work on the indanthrones was no exception. The outstanding commercial success of "Ponsol" vat colors, typified by "Ponsol" Blue is one example of the results achieved through cooperation of Du Pont scientists.

★ ★ ★

Questions College Men ask about working with Du Pont

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The organization of Du Pont is unique in that each of its ten manufacturing departments and two technical staff departments is responsible for its own operation. Furthermore, new chemists and engineers work in small groups under experienced supervisors. Du Pont's group system assures men of interesting and friendly working conditions plus the broad avenues of promotion that go with size. Write for the new booklet, "The Du Pont Company and the College Graduate," 2521 Nemours Building, Wilmington 98, Delaware.



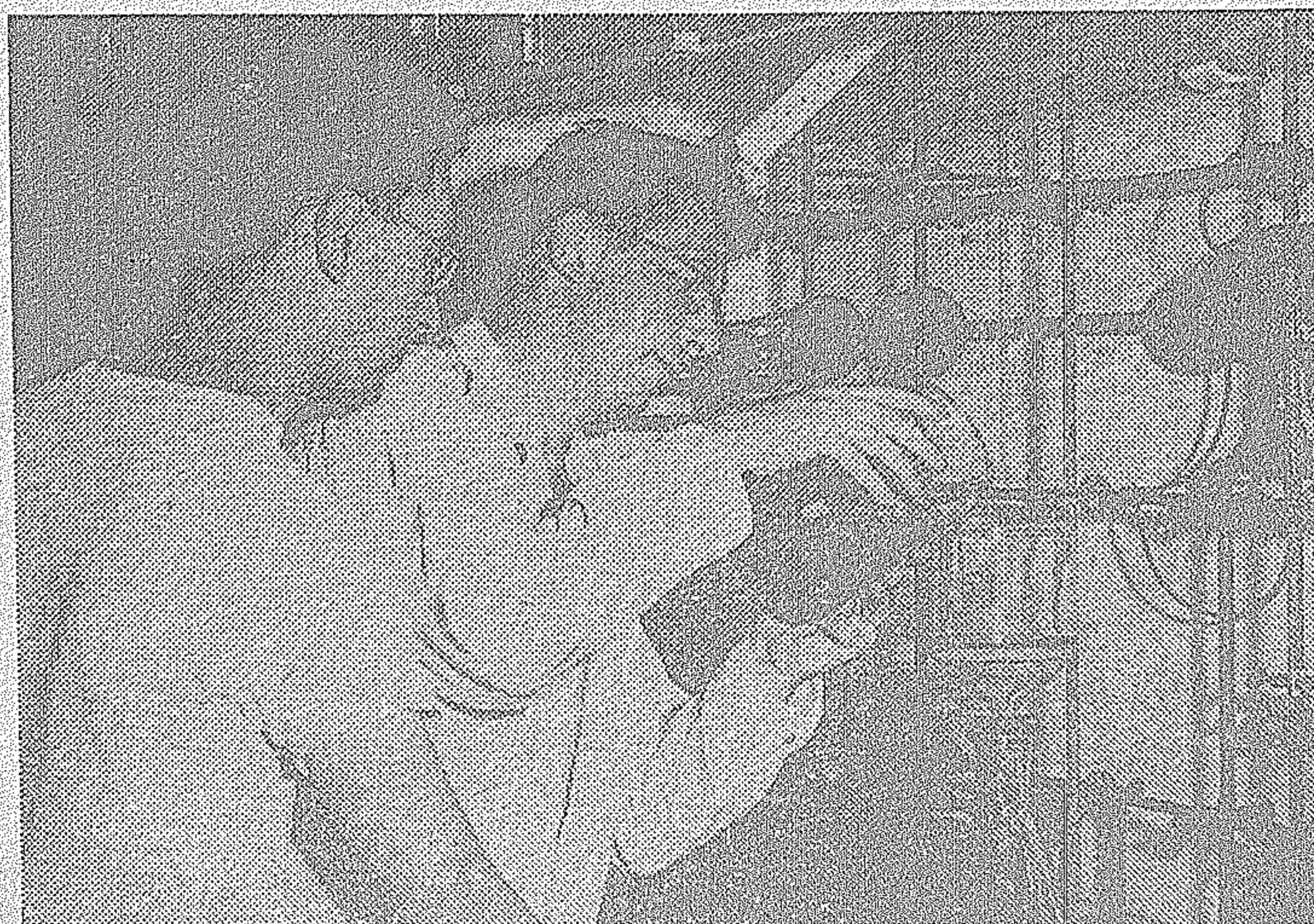
BETTER THINGS FOR BETTER LIVING... THROUGH CHEMISTRY



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ILLINOIS TECH BOOKSTORE



W. R. Remington, Ph.D., University of Chicago, 1944, and S. N. Boyd, Ph.D., University of Illinois, 1945, working on a dye research problem.

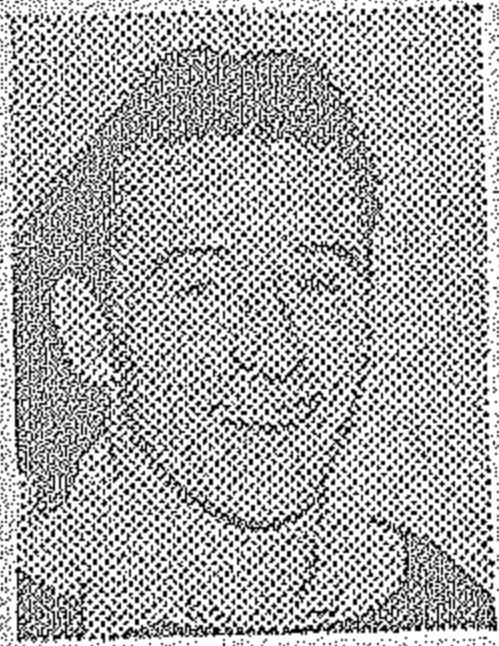
Techmen Talk

By Eugene R. Stanley

Question: What do you think of the correlation between lab and lecture courses?

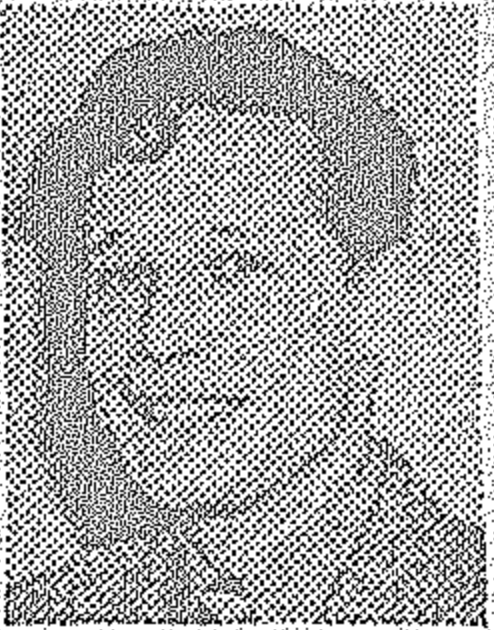
Arnold Kostka, Jr. EE:

"In order to correlate the lecture and the laboratory material I suggest that the lab sections commence a few weeks later than the lecture sections. This should be done to eliminate confusion as to procedure and theory of the experiment being performed. Under present conditions students find they have to spend an unnecessary amount of time and preparation for writing experiments causing undue neglect of regular homework assignments."



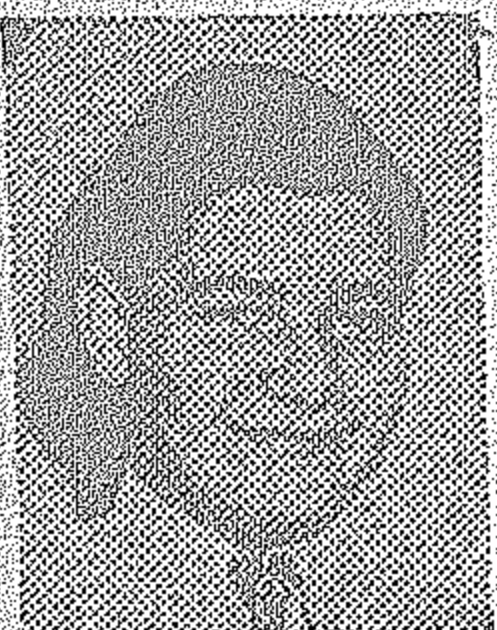
Frank Abney, Soph ME:

"In many instances the lab work lags far behind the lecture material. This is quite detrimental in regards to the lecture tests. On the other hand, there are many instances when the lab work comes ahead of the lecture material. At times, in order to fully comprehend a lab assignment, it is necessary to read 3 or 4 chapters ahead in your lecture material. This requires a great deal of additional time that most students don't have. By cheating on your time this way you lose a great deal of the value of your lab work as can be applied to your lecture. One should supplement the other. Since there is a great variety of experiments offered on the same general topic it should be possible to cover that subject in lab at the same time it is being covered in lecture."



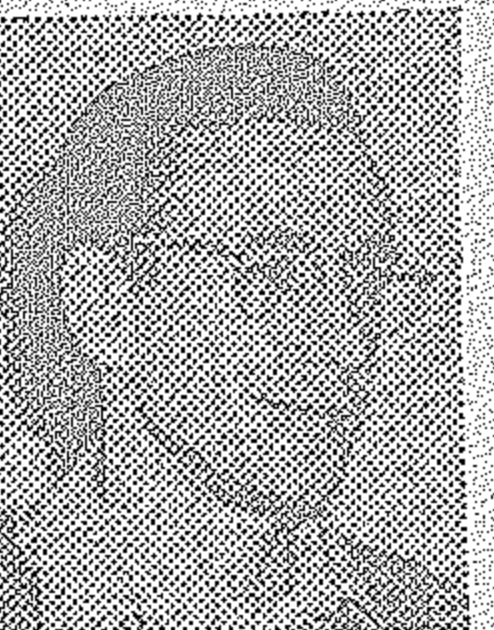
Gerald Rubin, Freshman ME:

"First of all, the lab courses should be slightly longer. The method of presenting the material first in lecture is very good, but I think that all labs should come at the end of the week. In the chem labs there should be larger facilities, for example: more hoods, centrifuges, reagent shelves and so forth. I also think that more bench space should be made available for the use of the student since errors are often made due to the crowded conditions. Of course, many of these difficulties may be eliminated when the new buildings are in use."



Raymond Preston, Senior EE:

"In my opinion all EE Labs should be revised in this respect. If we're going to keep the same ratio of lecture and lab hours, there should be a twenty minute lecture before the lab work commences for the purpose of clearing up points which the instructor thinks will be troublesome to the student. One system which works out very well and is being used by at least one instructor is that of presenting a brief but concise account of troublesome experiments during part of the lecture session. This way no time is taken from the actual lab session."



Disc Diary

Kenton In The Opera House!! "Modern Jazz" Attracts 7000

By Sy Becker and Jim Wangersheim

"Jazz has outgrown the dance hall, the beer parlor, and the juke box, and now, along with classical music, belongs in the concert hall."

It was with these words that Stan Kenton opened his recent "Concert in Progressive Jazz" at Chicago's Civic Opera House. Appearing in the middle west for the first time since Kenton's recent illness, the band, differing only in a few changes of personnel, broke all existing Opera House attendance records for a concert of this type.

Despite the replacement of tenor sax man Vido Musso by Bob Cooper, and Milton Burnhart moving into Kai Winding's solo trombone chair, the 19 piece orchestra continues with its "Artistry" styles made so famous by such numbers as "Artistry Jumps," "Intermission Riff," and "Machito." Marked by strong sections and wierd chords, these old Kenton favorites reflect none of the personnel changes.

While it is quite evident that Cooper's style is as different from Musso's as Dixie is from Be-Bop, his replacement of the old Musso solos fit perfectly into the progressive mood. Milton Burnhart, on the other hand, appears to have been cast from the same mold as Kai Winding. It's hard to believe that Burnhart would copy Winding, so let's believe rather, that the Winding solos were a product of a Kenton arrangement, leaving only one path for Milt to follow.

Another noticeable addition was the prominent position enjoyed by Jack Costanza, Kenton's new bongoiist. Like a nightmare of Xavier Cugat, this guy pounding on his 'tiny timpani,' bothered us no end at the start. As the evening progressed his place in the modern jazz pattern became more evident and after his performance on "Artistry in Bolero," he was "one of the boys."

June Christy seemed disappointing in the first of her six numbers, when she surprised us with a "riff" version of "How High The Moon," but when she ripped into "Rika Jilka Jack" and "Willow Weep For Me," our disappointment ceased.

Outstanding showman of the evening, was drummer Shelly

YMCA Defeats Chess Club

The first loss of the season was handed to Illinois Tech's chess club by the undefeated Hyde Park YMCA team.

An upset victory that lessened the sting of the four to three defeat was scored by Techawk Roger Newlander when he was victorious over Albert Sandern, Illinois state champion. This was Sandern's first defeat since the state playoffs.



Stan Kenton

Manne, who's antics, particularly in "St. James Infirmary" kept the crowd in stitches.

Senior Mechs

Continued from page 4 end zone for the first score.

Mickey MacDonald booted the kickoff deep into Gremlin territory, and that is where the rest of the first half was played. The Mech line continually rushed the Gremlin passers, forcing them to hurry their throws.

Ernie Krause, who spent most of the game in the Gremlin backfield, broke through to nab Ron Ursich in his end zone for a safety, and the game went into halftime with the score Mechs 8, Gremlins 0.

After receiving the kickoff the Gremlins ran three plays and punted. The Mechs drove toward another score but bigged down and surrendered the ball on downs.

Mickey MacDonald flagged a wayward Gremlin pass at midfield to set the stage for another Mech drive.

Swanson Scores On Pass

On the following play Bill MacDonald whipped a hard southpaw spiral that "Swede" Swanson made a spectacular leaping catch of for a touchdown.

Trailing 14 to 0 at this point the Gremlins started passing in the shadow of their goal. Their strategy boomeranged as Erhardt intercepted the second toss and carried it down to the two yard line.

The Gremlins put up a staunch defense to hold the Mechs for three downs, but on fourth down MacDonald hit "Swede" with a pass that Marcado just missed knocking down.

After this score both teams lost some of their zest and the final minutes ticked away leaving the Mechs in command 20 to 0.

Milk Cartons Replace Bottles

Results of the milk carton tests run last week by the cafeteria have proved highly satisfactory.

In an effort to expedite lunchroom procedure and reduce the 100 bottle per day breakage, the cafeteria handled only packages of cartons instead of the usual glass bottles and cases. These cartons reduced by one-fifth the volume formerly occupied by cases, according to Joseph Riley, manager.

"The cartons not only aid in keeping the tables clear and reducing labor, but they also bring to a minimum the hazards inherent with the handling of glass," said Riley. The paper wrapped cartons, a special service for businesses hampered by space facilities, must be ordered a day ahead of time.

By occupying a smaller volume, more milk can be stored in the limited refrigerator space and thereby insure a steadier supply of cold milk.

SAM Plans Survey, Open House Exhibit

Junior Week activities were extensively discussed yesterday at the meeting of the Society for the Advancement of Management.

Committees for publicity, membership, planning, employment, and the open house exhibits were formed.

Tentative SAM plans for Junior Week include a nation-wide survey to define the duties of an industrial engineer. Using the information obtained, a descriptive exhibit will be formed in cooperation with the Industrial Engineering department.

Activities now being planned are an exhibit for the Museum of Science and Industry, a future field trip, and a smoker.

Seniors Must Return Integral Proofs

Integral editor, Wilbert Kedrow, announced that all seniors who have received their proofs from Bloom photographers and have not returned them as yet should do so immediately.

Those who do not return their proofs by December 3 will have their pictures omitted from the yearbook. Pictures may be taken between 9:30 a.m. and 2:30 p.m. on December 1, 2, 5, or 6 at Bloom photographers, 32 West Randolph.

TECH TIMETABLE

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

WEDNESDAY, NOVEMBER 28

Sigma Kappa, 5 p.m., North Union lounge
Alpha Chi Sigma, 5 p.m., 405M

MONDAY, DECEMBER 1

Eta Kappa Nu, 5 p.m. 105C

TUESDAY, DECEMBER 2

4B class meeting, 11 a.m., North Union aud.
4A class meeting, 11 a.m., Chem. Bldg.
AIEE, 11 a.m., Met. aud.

WEDNESDAY, DECEMBER 3

Pan Hellenic Council, 4 p.m., Exec. Conf. room
Mech. colloquium, 8 p.m., North Union aud.

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