

# TECHNOLOGY NEWS

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Z143

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS

DECEMBER 10, 1940

## Musical Club To Present Yuletide Concert At Lewis

Musical groups of Lewis and Armour will present a Christmas program in the Lewis Auditorium tomorrow at 9:30 a. m. *The Prayer from Hansel and Gretel* by Humperdinck and *Clouds* by Charles will be sung by the Lewis Glee Club. The Armour orchestra, appearing for the first time at Lewis, will play *Adoration* by Borowski, *Hungarian Dance No. V* by Brahms, *Meditation* by Ceates, *Rosary* by Nevin and the third movement of the *Southern Suite* by Nieodi. The audience will join the Glee Club in singing some of the well known Christmas carols. At the close of the program, the orchestra will accompany the Glee Club in a selection from *Blossom Time*. This program has been arranged by the director of both groups, Gordon Erickson.

### New Officers

Officers of the girls' chorus, elected at a recent meeting, are: Mickey Walker, president; Jeanette MacLuckie, secretary-treasurer, and Pat Arns, librarian. A membership committee was appointed in order to increase the size of the club for representation in the Goodman Theatre program on March 14.

During the last few days of school before the Christmas holidays, carolers will be heard in the hallways of the Institute. These carolers are members of the glee clubs bringing their bit of Christmas cheer to the students and faculty of IIT.

## Leading Organic Chemist Delivers Graduate Lecture

The first of a series of graduate lectures by distinguished guests of IIT will be delivered December 11, 1940, by Dr. Roger Adams, who will speak on "Current Trends in Applied Chemistry." The lecture will follow the faculty dinner meeting to be held in the dining room of the Student Union. Those who cannot attend the dinner at 7 P.M. are urged to attend the lecture, which will start about 8 P. M. Dr. Adams' talk was made possible through the efforts of Prof. Freud and George Bauman, president of the Armour Chapter of A.I.Ch.E.

Dr. Adams is professor of organic chemistry and head of the department of chemistry at the University of Illinois. He is a vice-chairman of the division dealing with chemical problems on the National Defense Research Committee. He is also considered one of the nation's most effective popular speakers on scientific developments, and his subject will be of decided general interest to scientists and engineers.

Tickets for the dinner may be obtained from members of the department of chemistry at either campus. Guests may be invited, and it is requested that reservations be made early for the convenience of the chemistry group who are responsible for arrangements.

## ITSA HOPPERS HAVE FUN



Flashes of Town & Country Hop at Lewis last Friday night. The farmers on the right are Shirley Pautz, Bill Downing, Marilyn Johler, and Everett Munson. By Center, Raymond and Anderson, Staff Photographers

## Hop Club Members Tempt Zombie With Friday 13th Dance

FRIDAY, December thirteenth, is the date for the Superstition Dance to be given by the Illinois Tech Dance Club in the Student Union Auditorium, Armour campus. The music will be by the Knights of Armour, and the price of admission is only 25 cents for gentlemen, and, as an incentive for the ladies, they will be admitted as free guests. This social is open to the entire student body of both campuses and also to their friends.

Attendance at the weekly meetings and at every Dance Club social are required for the privilege of attending the final, special social of the school year. Attendance is checked at each meeting and social by the membership cards. The cards are issued to each member who has paid the membership fee of 25 cents. Attendance to at least two thirds of all the meetings is necessary for admission to the future private socials.

Tickets for the Superstition Dance may be obtained at the bookstore, or from the student officers listed on the bulletin boards at both campuses. They may also be bought at the door.

## COMMITTEES AIR SENIOR JEWELRY, PHOTO PROBLEMS

Jewelry for the senior class on the Lewis campus was voted upon at a senior class meeting last Tuesday. The jewelry committee reported the results of its meetings with the jewelry committee from the Armour campus, and presented the designs from which the choice was to be made. Now that the style is selected, the committee members, Kenneth Calhoun, Alda Kairis and Louis DeKrause, are taking orders for delivery before Christmas. Seniors who are completing their work toward a degree this quarter and who desire class jewelry should place their orders before they leave school.

Photographs are now being taken for the 1941 yearbook, and all seniors who are completing their work in December are urged to contact either a member of the yearbook staff or the senior photography committee

## WSE To Present Theologian Ruopp In SU Assembly

Harold W. Ruopp, nationally famed theologian and educator, will address the student body of the Armour College of Engineering at a general assembly this Friday at 10 A.M., in the school auditorium. Mr. Ruopp has had a widely varied background and is familiar to the students, having preached the baccalaureate sermon before the class of 1940. At the commencement exercises of the first Co-op graduating class in February, he will act as chaplain.

The speaker was born in Upper Sandusky, Ohio, on February 22, 1899. He was a student of the Carnegie Institute of Technology, receiving his B.A. degree in 1921. Ohio Wesleyan University granted him a Master's degree in 1922 and afterward he attended the University of Berlin in 1926-27 and Oxford in 1927. Mr. Ruopp was made an S.T.B. (Sacred Theology Bachelor) at the Boston University School of Theology in 1926.

In 1925, Professor Ruopp was ordained into the ministry of the Methodist Episcopal Church and since then has served the Central Congregational Church in Boston, Victory M.E. Church, Dayton; and Wm. Street M.E. Church in Delaware, Ohio. He also has been Professor of Art and History of Preaching at the Boston U. Theological School and Assistant Professor of Public Speaking at the Miami University in Oxford, Ohio.

## LEWIS GROUP HONORS HOME ECS' FOUNDER

To celebrate the anniversary of Ellen H. Richards, one of the founders of the home economics movement, the Lewis club dedicated a "play-broadcast" program to her memory. Angeline Fuscone, Doris Tulley, Adona Booher, Violet MacDonald, Dora Kolitz, Lorraine Kaskia, and Ethel Witt played the roles of various people associated with Mrs. Richards during her very active career. Mrs. Richards was the first president of the National Home Economics Association and the first woman to enter the Massachusetts Institute of Technology.

## Nine Seniors Pledged By Sphinx; Three From Lewis

### "Breeze" Will Blow At The Senior Dance

Lou Breeze, "Breezy Rhythm", "Breezing Along With the Breeze." Catching isn't it? And you will be breezing along at the Drake the night of the Senior Informal. No home-work, no classes, no quizzes, and no worries for two full weeks. Remember ? ? ? Dec. 20th is the beginning of Christmas vacation. Really a swell way to begin too—a dance you'll never forget, nor ever want to—a beautiful girl, a delightful location, and breezy-smooth bands. What more could you want?

You won't want to sit out even one dance, but if you should the adjacent Tower Club will be provided with tables and table service. Dancing will be held in the Grand Ballroom with the Royal Troubadors a four man, sweet swing quartet filling in while Breeze and his boys step out for a (censored) "coke".

The Breeze Band's "Breezy Rhythm" is a distinctive undercurrent in all of the band's arrangements, a rhythmic pattern that

(Continued on page eight)

## SCARLET & GREY HUES APPROVED AT ITSA MEETING

At the meeting of the Illinois Tech Student Association last Tuesday evening, it was announced officially that the school's colors are to be scarlet and grey. The I.T.S.A. had previously recommended that scarlet and grey be the colors, and at their last meeting the Board of Trustees officially approved.

Another momentous decision of the board was to adopt hockey officially as a sport. This has been a controversial subject for over a year. The hockey proponents, under the direction of Dr. Harold Davey—a rabid fan—have struggled valiantly for its adoption, but have encountered keen opposition. After a stormy session, the board finally approved an appropriation of \$200 for the hockey squad.

The third important subject that was broached concerned the constitution of the new Illinois Institute. Armour's original constitution has become inadequate since the merger with Lewis.

Thus it has been decided that the Lewis representatives of the Board should make up a constitution and the Armour representatives would also formulate one. These two similar documents would be combined.

In attendance at the meeting were five faculty representatives, President Heald, Dean Tibbals, Treasurer Allison, and Professors Huntley and Schommer. Also present were the eight student members of the board. These members are: Dick Larson, president; Earle Huxhold, first vice president; Fred De Money, second vice president; William Vizard, secretary; Dick Guetzow, sophomore representative; and Don Malloch, the temporary freshman representative. Two Lewis representatives attend also.

## Members To Present Puppets At Show

With the pledging of six men at Armour and three people at Lewis in a special student Assembly, Sphinx, honor literary society inaugurated a new chapter in its journalistic history. Simultaneous with the duel pledging, and a constitutional revision to include all eligible students of IIT, came the announcement that Sphinx, second oldest honorary on the Armour campus, will present a dance and marionette performance on Friday evening, January 17.

### Six Pledged at Armour

The Armour pledging conducted by J. C. Aberer, president of the society, was held in a private room of the Student Union last Wednesday, December 3 at 10 A.M. Those honored with the traditional black and yellow ribbons were James Murray, Arthur Hauswald, Robert Lange, Robert Greenburg, James Waber, and Robert Mead.

### Special Assembly at Lewis

At 11:40 A.M., on Thursday of last week, before a special student assembly at Lewis Institute, Lillian Snodgrass, Ruth Sprague, and Charles Reinhardt were presented as candidates eligible for membership. Professor Walter Hendricks, faculty adviser and chairman of the English Department conducted the formal pledging. The candidates were selected on the basis of outstanding service rendered in the journalistic fields of the Institute.

### Second Run for Puppeteers

In bringing to the Armour auditorium the "Yale Puppeteers," internationally famed performers, Sphinx is presenting to the Institute an innovation in entertainment. The Puppeteers first toured the country from coast to coast 10 years ago, and upon reaching Hollywood enjoyed a run of 98 weeks. Following this success they

(Continued on Page Eight)

### THIS WEEK AT IIT

<b>TUESDAY</b>
Technology News Feature Staff Dinner, East Dining Room, 6 P.M.
Basketball Game, Armour, 4:15 P.M. Grand Rapids vs. IIT.
<b>WEDNESDAY</b>
Assembly, Lewis Auditorium, 9:40 A.M.
Kappa Phi Delta Towel Sale (Lewis).
Faculty Women and Wives Meeting, 2E, 2 P.M.
Chemistry Dinner, East Dining Room, 6:30 P.M.
<b>THURSDAY</b>
General Assembly (Armour).
Pan-Hellenic Council Meeting, 12:30 P.M.
Technology News Reporters Dinner, East Dining Room, 5 P.M.
<b>FRIDAY</b>
General Assembly (Armour), 10 A.M.
Dance Club, Auditorium, 8-12 P.M.
<b>SATURDAY</b>
Basketball Game, University of Chicago Field House, 4:15 P.M. U. of C. vs. IIT.

## TECHNOLOGY NEWS

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DEC. 9, 1940

### Curriculum—

As expressed on a previous occasion in these columns the managing board is of the opinion that many compulsory courses exist at Armour more from the stigma of tradition than from necessity or desirability. It is our belief that a fundamental change is necessary in the curriculum with a view to increasing pure science courses and permitting greater freedom in a program selection. Courses as shop, for example, which treat only of particular methods or operations rather than with principles should be minimized.

We propose to show:

1. If the change we advocate is supported by engineers and teachers and substantiated in industry, then we are justified and have a right to present it.
2. That the change is substantiated.
3. What this will mean for Armour.

Student Criticism of the curriculum often fails at the outset simply on the right to present comment, the argument supporting refusal inevitably maintaining that the incompetence, in experience and position of the student fail to qualify him as an unbiased judge. Such statements unquestionably lead to suppression of criticism in general, and the retardation of curriculum change, regardless of urgency or necessity. The argument against student comment fails in that good criticism, along with bad, is condemned. Since constructive comment is desirable, who, providing their proposals are founded on sound principles are better justified to comment than students—who after all are affected by the whole business?

### Pure Science—

Pure Science courses should be considered the basis of the curriculum for the following reasons:

- a. Basic science, more difficult to learn than the manipulative techniques, should be concentrated on while the faculty can help.
- b. The most economical expenditure of student time will be effected by a concentrating on the things which colleges can do best, namely, the teaching of fundamentals. Industry with its greater financial facilities can best handle special techniques and applications of fundamentals.
- c. Colleges should not attempt to compete with industry in any of their training. Duplication is heinous. Industry, has emphasized over and over and over again in the S.P.E.E. and engineers' journals that they will teach special techniques and want colleges to teach fundamentals.
- d. Finally, we present what one of the largest industries in the world says through its engineers—those actually in engineering. From the A.S.M.E. Journal, April, 1937, Mr. C. J. Freund from Detroit University summarizes the results of an engineering education survey—submitted to engineering leaders in the automobile industry. Each of several topics is treated distinctly, and we select one, treating it completely, thus eliminating danger of quoting out of context.

To the vice-presidents and officers in charge of engineering at Pontiac, Chrysler, GM Corporation, Chevrolet, Graham Paige, Packard, Cadillac and Ford, the question—"Which college studies do you now find useful in your work"—was submitted. These men in turn referred the question to the 199 leading men in their departments. In an overwhelming majority the men responded. Only those subjects receiving several votes were eliminated. The tabulation is:

### College Studies that 199 Automobile Engineers Consider Useful in Their Work

Mathematics .....	98
Physics .....	58
Mechanics .....	54
Engin. Design .....	31
English .....	22
Drawing .....	20
St. of Materia. ....	19
Chemistry .....	18
Elec. Eng. Courses .....	13
Mech. Eng. Courses .....	12
Shop Prac. ....	12
Thermo-Dynamics .....	11

The sweeping response accorded pure science subjects substantiates beyond all question our position. Interpretation is unnecessary. Facts tell a story more powerfully than any comment.

### Program Selection—

We believe a division of the engineering curriculum should be effected into several topics and the existence of each major topic as a minor in each of the other majors. By greater program selection we mean the freedom of the student to select, if he so desires and is capable, one of the majors and with it the corresponding minor. For example in electrical engineering, the division would be into power and communications. Power would be a major of its own with communications as a minor and conversely. The student would make his choice as to either branch, with the qualification that should any uncertainty exist as to his ability or liking, he be given the standard course similar to the one now existing.

This would be a desirable scheme for the following reasons:

- a. If college courses in engineering are fundamental the really basic principles of mathematics and physics are common throughout, and if the particular major represents the particular interest of the student he will learn more effectively because of a genuine rather than artificial interest.
- b. The argument that students risk their futures in taking a given field of study with the fear that subsequent employment will not be in that field, does not hold water. The acquiring of deep fundamental knowledge can hardly be considered a risky procedure. Such knowledge will inevitably be useful, if for nothing else, as a guide in acquiring rapidly a corresponding knowledge in any field of endeavor.
- c. Finally, while we do not justify our position by that existing in liberal arts colleges, it is nevertheless true that educators have considered the method of majors and minors worth while over a period of years and from all appearances will continue to do so.

Our proposals are not new, the application is new but the idea is basic and fundamental.

J.C.A.

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## What kind of Math do you call this?

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### Lewis Leaders Draft Council Activity Plan

At a meeting on November 13, which was attended by a group of the leaders of the Lewis campus, a student council was formed. The actual founding of the council occurred only after the approval of Dean C. L. Clarke, two preliminary meetings, weeks of deliberation and a great deal of discussion concerning the membership, representation and voting power.

The function of the council, as well as its constitution, is not clearly defined as yet. Since this is the first attempt at any form of student government on the west-side campus, the students desire to be cautious, and, if possible, to avoid the weaknesses of many student government bodies. The motion which founded the council specifically provides for equal representation from classes. A committee system for investigation of problems, their analysis, and their solution was inaugurated, when Jack Greener, the chairman of the council, appointed Jane Golet, Bob Meyer, Pat Arns and Ralph Arboe as the committee to work on a constitution.

#### Restrict Smoking

The report of the council's findings was made at the student council meeting last Monday. The entire meeting was given over to discussion of the various points included in the first draft of the constitution. At a meeting yesterday a more complete and definite draft of the constitution was submitted by the committee. However, no action was taken.

The council is uniting with the administration in an effort to restrict smoking in the Lewis building to the Damen street lobbies and the cafeteria. Thus far, the wholehearted cooperation of the student body has made this improvement quite noticeable.

### Record Turnout At Lewis ITSA "Town And Country" Dance

Rustic decorations blended with city swing to furnish a setting for the second I.T.S.A. dance last Friday evening in the Lewis gymnasium. The Armour men joined those of Lewis in a competition for dances with the Lewis coeds. From nine to twelve over two hundred students danced to the delightful music furnished by the Knights of Armour.

Informality was the keynote of the evening, and everyone had a rollicking good time. The country cousins appeared in everything from overalls to their going to town clothes, and most of the city slickers donned sport clothes. Town and country really met. Shy farmer girls danced with Armour line-men, and sophisticated urbanites glided with the hired hands.

Bales of hay, Joe the scare-crow and farm lanterns gave sections of the gym a real country atmosphere while a cleverly designed mural, evergreens, and red ribbons, made the students feel they were whirling through the streets of the loop soon after they were decorated for Christmas.

In addition to the vocalist who sang with the Knights, Jane Golet, a Lewis coed, gave out with her rendition of "The Five O'clock Whistle."

The year book staff is anxious to purchase informal pictures of Institute activities for use in lay out work. Pictures may be submitted to Lionel Naum for approval at the Cycle office,

### FIRST LEWIS PLEDGES TO SPHINX



Professor Hendricks congratulating Charles Reinhardt, Ruth Sprague, and Lillian Snodgrass at Sphinx Pledging held at Lewis last Thursday. By Raymond and Anderson, staff photographers

### Lecture And Films On Mach. Balancing Presented By ASME

Recent developments in balancing machines served as the topic for a talk by Mr. Senger at the A.S.M.E. meeting last Friday. As a specialist from the Grisholt Machine Co., the speaker explained with authority the meaning of balance in machinery. The two kinds of balance, static and dynamic, were discussed. Increasingly proportionally to the speed at which the machines rotate, balance is measured in ounce-inches.

Usually, the designer of a particular part has two planes in which the balancing is done. When sent to the speaker's firm, any particular part that is to be balanced must be tested to determine the weight of material that must be added or subtracted from the two planes in which balancing is done. To be in balance, the resultant forces must cancel.

Determination of the extent of unbalance is done in a device which rotates the to-be-tested part; the phase of the vibration determines the source of unbalance.

Instead of being entirely mechanical, another tester employs electric circuits for vibration measurement.

### Faculty And Wives Join Bridge Benefit To Provide Awards

Wives of faculty members held a benefit bridge party last Saturday evening, December 7, in the Student Union building. Attending were the entire administrative staff, and members of the faculty and alumni, with their wives. This event was designed to raise funds for the scholarship which is awarded every year to a sophomore who has had a high scholastic record as a freshman, and who is in need of financial aid.

The scholarship is known as the Julia A. Beveridge Award, in honor of one of Armour Institute's founders and first teachers.

#### Million Dollars Given

Julia Beveridge, as librarian for Armour Mission 1887, grouped the best of her students and called the attention of P. D. Armour to them. Impressed by the work being done by the Mission, P. D. Armour entered Plymouth Church and listened to a sermon in which Dr. F. W. Gunsaulus told what he would do if he had a million dollars. After the sermon, Mr. Armour contacted Dr. Gunsaulus and supplied him with the million dollars which was used to found the Institute.

### Head of C.A.A. To Address Illinois Tech Students Thursday

Divisional head of the Civil Aeronautics Authority, Mr. Cox will address the students of Illinois Tech on the topic of "airplane expansion of C.A.A." and "National Defense and C.A.A." Mr. Cox's address will take place at 11 A.M. Thursday, Dec. 12. Mr. Cox has as part of his duties, the organizing and developing of C.A.A. activities in the Chicago district.

It can be truthfully said that Illinois Institute has done and is doing its share for National Defense. Cooperation here did not require the boost of national enthusiasm to start the wheels turning.

Last fall, late in October some 30 men chosen from a group of 125 applicants began the primary civilian pilot training course under the auspices of C.A.A. The purpose of this course, which included ground instruction requiring some 5 hours, about 40 hours of flying time in 50 horsepower ships originally was to stimulate interest in aviation and the aviation industry. Between the time of its inception and the present, new or more obvious uses and advantages of this and the succeeding courses have become evident. The following courses, secondary acrobatic flying, apprentice instructor's training, and instructor's refresher courses have as a prime purpose the training of instructors for both army and civilian training.

To date 58 men have the primary course, of which 53 completed it, of these 10 are at present taking the secondary course. At present 9 men are in the throes of the primary course.

The time spent in both the primary and secondary courses is apportioned according to the relative importance of each field amongst aerodynamics, parachutes, aircraft instruments and engines, civil air regulations,

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### Tragic Death Of W. Groundwater Shocks School

Victim of a tragic accident at the Armour College main building, Warren Groundwater met his death last Thursday evening at 8:40 while attempting to board the elevator. His fatal injuries resulted from being partially crushed between the elevator floor and the wall between the first and second floors.

Warren, who was a junior in the Chemical Engineering Department, was regularly employed as an NYA operator of the switchboard. His usual hours were from 5 to 9 on Tuesday evenings. For special reasons, however, he worked last Thursday instead of the previous Tuesday.

Pausing a few minutes to talk to Elwood Daly, the only eye-witness to the entire affair, Warren, apparently to see if the elevator was working, reached through the partially opened door of the unattended elevator and pulled the controlling cable. The cage started upward and when it reached the level of his hips, he started to climb aboard. By the time the cage had reached the floor projection between the first and second floor, Warren was halfway into the interior of the cage, the upper part of his body resting on the floor. Caught between the wall and the floor, he was dragged from the elevator and fell to the bottom of the shaft. An ambulance was immediately called but he was pronounced dead of a skull fracture and internal injuries.

Warren was twenty years old and well liked by his class. He was an active member of the American Society of Chemical Engineers and former treasurer of the Society for the Advancement

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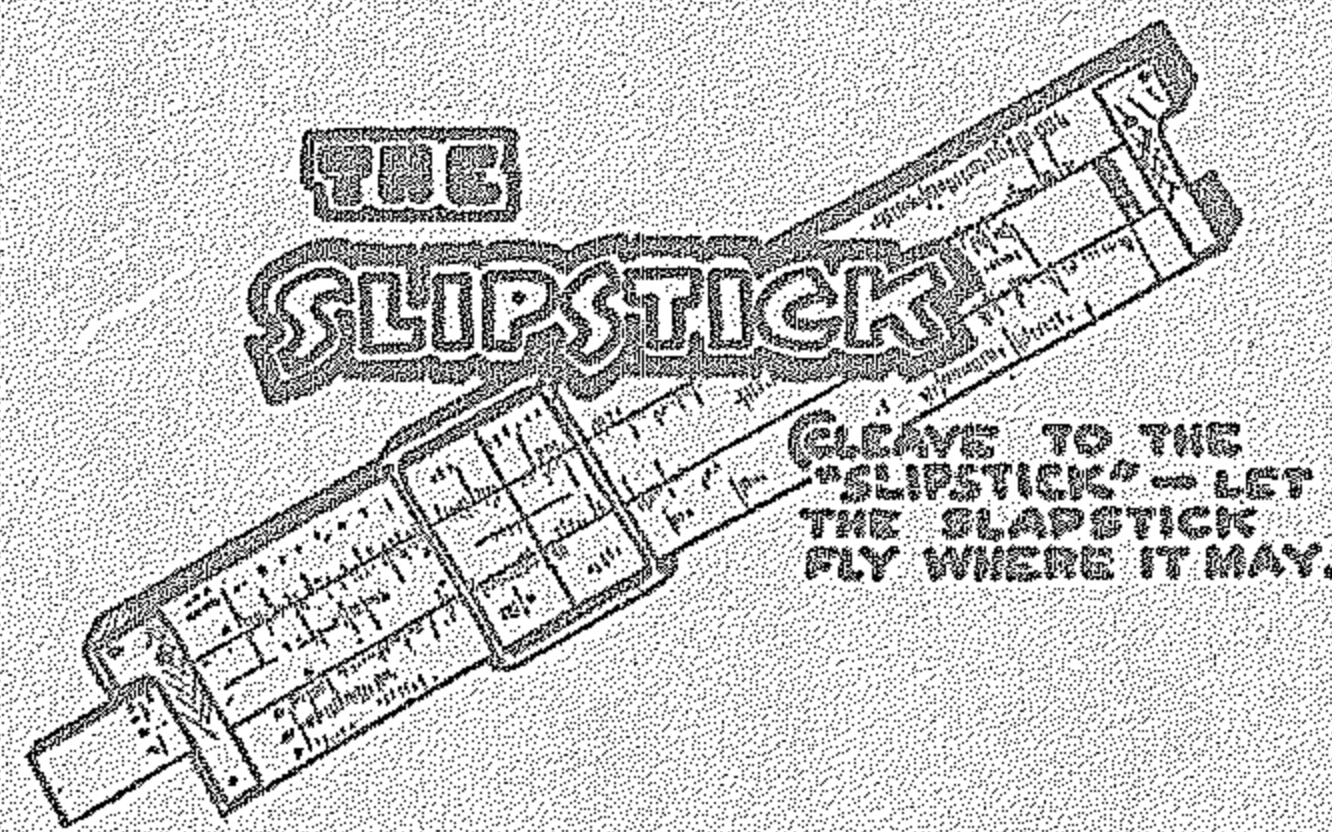
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Wow, I turned around and there it was. I looked again and yep, only 8 school days until Christmas. Little pieces of pencils, little drops of ink. Boy, could I write a column if I could only think.

#### AIN'T IT THE TRUTH?

It's the students who get the paper,  
The school that gets the fame;  
The printer who get the money,  
And—the staff that gets the blame

God gave us two ends, one to sit on, the other to think with. A salesman's success depends on which he uses most. It's a case of "HEADS he wins, TAILS he loses."

"As I understand the case," said his honor, "you and your husband had a drunken altercation and you were kicked in the ensuing rumpus."

"No, suh, Jedge," retorted Mandy. "Ah was kicked in the stummick."

This reminds us of the pretty blonde who shouted from the darkness of a crowded London air-raid shelter: "Take your dirty hand off my knee. No, not you, YOU!"

"And how is your good wife, Sultan?"  
"Oh, she's all right, but the other forty-nine are more fun."

Blue eyes gaze at mine—vexation.  
Soft hand clasped in mine—palpitation.  
Fair hair brushing mine—expectation.  
Red lips close to mine—temptation.  
Footsteps—damnation.

Many a romance begun beside a splashing waterfall at a summer resort has ended beside a leaky water faucet in a kitchen sink.

Psychiatrist: "Are you troubled with improper thoughts?"

Patient: "Naw, I enjoy them."

Psych: "You say you have two daughters—do they live at home with you?"

Pat: "Naw, they're not married yet."

Bank Clerk—"You forgot to dot the 'i' in your signature."

Patron—"Would you mind dotting it for me?"

Bank Clerk—"I'm sorry, but it has to be in the same handwriting."

She—And that scar, Colonel, did you get it during an engagement?"

Colonel—"No, the first week of the honeymoon."

Then there was the sculptor who fell in mud puddle . . . the dirty chisler.

#### WHAT ABOUT BOULDER?

A visiting pastor was enjoying a round of golf with his host when a great calamity befell him. Taking a mighty swing he missed the little white object completely. "Oh Muscle Shoals!" he exclaimed.

Mystified, his companion asked for an explanation of the expression.

"I mean the biggest dam on earth," replied the minister.

#### INVENTIVE NATURE

"Why Rastus," protested the Chef at the dinner table, "that cake is as black as coal. Did you cook according to instructions?"

"No suh," replied the new chef, "it's one of me own cremations."

Then there was that cute little fan dancer, arrested for no gauze at all.

All I can say in defense is that I'm like the workman who said as he dropped the dynamite, "That's me all over."

OH MIN!

## The Greeks Had A Word For It

**GODDESSES . . .** Courtesy Week—Probation Week—Call it what you will; it's still Hell Week for the pledges.

Last week the girls pledged to Sigma Beta Theta underwent an ordeal that reminded actives of their own pledge days. A visitor to the second floor lobby on last Wednesday would have thought that Santa Claus had jumbled his dates and come twenty shopping days too soon. Yes, not one Santa Claus, but several (the pledges) sold the delicious Sigma candy.

Next week the pledge mistress of the Kappa Phi Delta will become a virtual dictator as far as the pledges are concerned. Their lowly creatures will have to dress in black and red from head to foot representing the sorority colors. By the way, the Kappas are also giving all the students at Lewis an opportunity to do some of their Christmas shopping right here at school. Just think! You can avoid that Christmas rush by buying guest towels for any fastidious person on your Christmas list. Next Wednesday in the second floor lobby.

And the Sigma Omicron Lambda pledges—imagine—yesterday they could speak to no one, and they delivered kisses to anyone that asked for them without a yes or no. For the remainder of this week the Lambda pledges are going to have to pit their originality against the orders of the actives. Then hope for leniency.

Still in the pledge department—these hoboes seen about the Lewis campus (and I don't mean in the Madison street lobby) are none other than the Gamma Rho pledges. Gunny sacks, paddles, and all—they're in for it too. But cheer up all of you—it won't be long now 'til initiations make you full fledged members! then think of the fun you'll have next year.

Newly initiated John Martin Peterson was given an impromptu bath the other nite at the Delt house where the pledges objected to his attitude and tried to change it. Pete said if they had waited 'til Saturday he was going to take one anyway, but now he can have a date that night.

## Arx News

Extra! . . . There is in the possession of George Dickel all the information you need to enter the contest for the design of a transparent sticker for Illinois Tech . . . It will end after Christmas and a cash prize will be given to the winner.

When are the freshmen Arx going to initiate that Rotund fellow Bernie Goodman . . . we hear that Mike through a mutual friend has been queering Pryz's gal friend . . . It seems she won't believe Pryz any more . . . Daly hasn't wrestled for a week now (Ed. note: could he be recuperating from an overdose of hop juice, beer to you) . . . Bad business, the frosh parley king Goldberg hasn't been raking in the dough so fast this week . . . keep an eye on Weese, he won't see you, he's got his eye on Nancy, one of the Art school's better editions . . . we wonder how Pat can trust Petter-son the way he runs around terrorizing those Mundelein stage hands of his . . . recently formed is "where will we go on Wednesday" club, Wendell president of the same . . . Rumor has it that Rosanski has been courting a west side cutie who has just reached her sixteenth birthday . . . is Pointer's new bank a modern counterpart to the old hope chest? . . . Not enuf snow sez Stienweg to play tackle with our dates this week end . . . will Reinke ever learn to lay off that brew, if not who will pay for the dishes he breaks following his wanderings . . . The A.A.S. meeting ping pong champ Chuck W. . . Bill and Jay again last weekend . . . Honey Child denies she is nobody's baby, denies somebody will visit Ark during Xmas, she doesn't want any of this printed, and beside that she is MAD . . . see you next week, I hope.

Specs.

#### GODS

**ALPHA SIGMA PHI** held its Founder's Day banquet last Friday night at the Sherman Hotel. The banquet commemorated the founding of the fraternity at Yale College in 1845. About 150 members, including alumni, pledges, and even some actives, enjoyed the turkey dinner and the speeches that followed. Norm Root (Armour's track coach) acted as toastmaster. Talks were given by a national officer of the fraternity, the president of the Chicago Alumni Association, and president of the local chapter—Dick Larson.

**PHI KAPPA SIGMA** held a cocktail party last Saturday at which Ronald Smith (the president) appeared wearing his Willkie button. He had just come in from his second date of the year—a "blindie". Mr. Smith we know just how you feel (the wrong man got it in both cases). Phi Kap Grant Whitehead usually borrows a CAR for his dates, and leaves his model T in front of the house. Phi Kap Thornton was pushed through the front door of Skull House, and as a result Doc Mac picked part of the plate glass out of Thornton's shoulder. It's just as easy to open the door boys, and besides most people do it that way. Other Phi Kaps who have been acting strangely lately are Greenberg and Taylor, who have both decided that women are not for them. The Legion complained about the way in which they forgot their women, but Bob and Dick say that they can't get any nibbles outside of the Lonely Hearts club.

*Pi Kappa Phi beat the Delts in ping pong, when the little ball obeyed the Pi Kaps better than it did the Delts, consequently the Pi Kaps are to play in the finals. (This might be their second cup this year.)*

Tuesday evening Pi Kappa Phi will celebrate Founder's Day with a banquet for the Alumni. Stuart Olsen and John Gerhardt will be awarded Pi Kap scholar keys for their excellent work at Armour.

Paul Streit has been pledged to Pi Kap house and will immediately assume his pledge adventures duties.

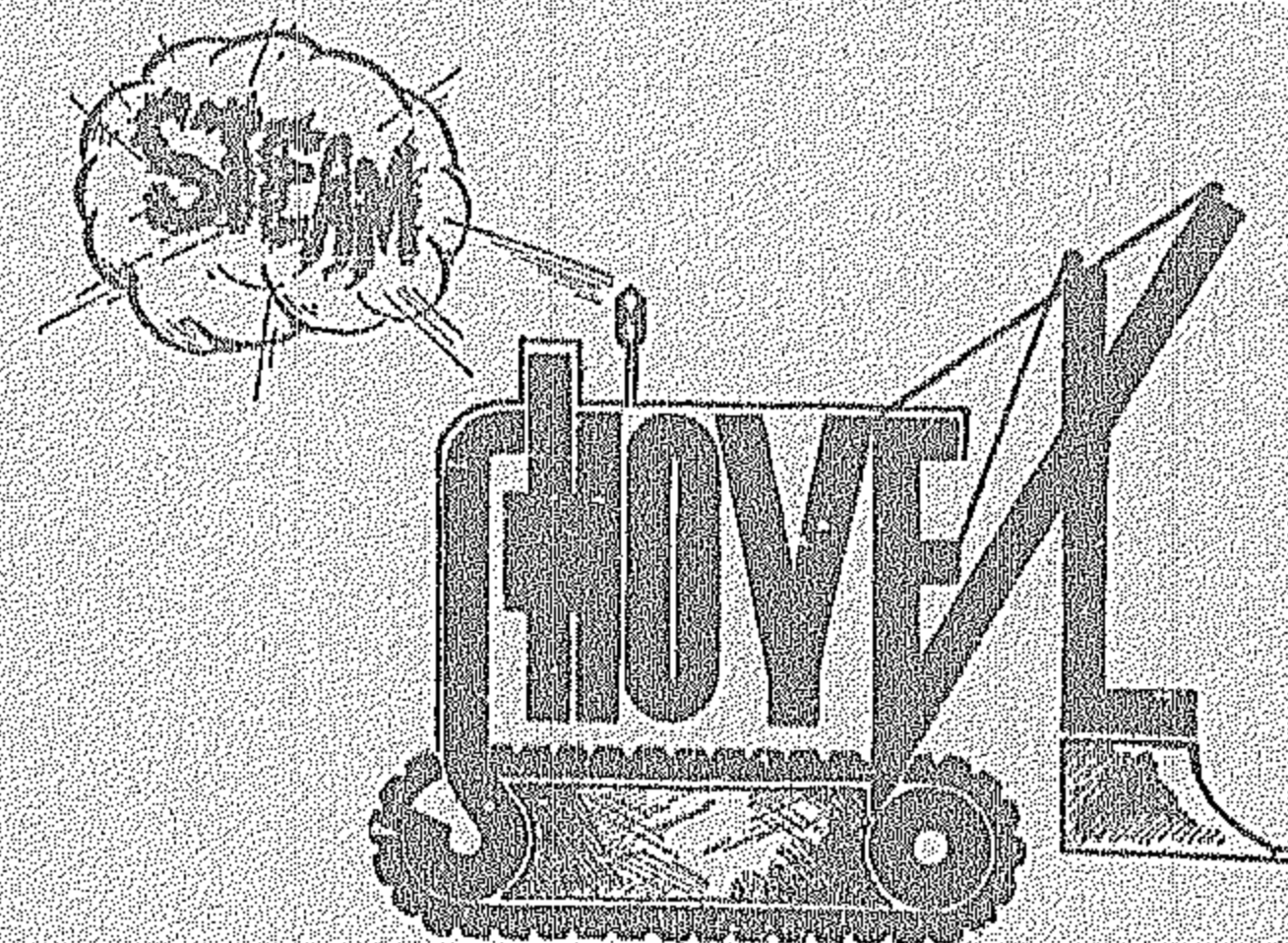
Delt Mascot—George Beta, was elected Junior Fire Project Commissioner. He will assume his duties immediately, aided in a small way by Dick Talcott, who will take George to all meetings. The dogs about the neighborhood have been jealous of George's extra curricular activities for some time now, and this should prove the crowning blow. When George was notified about his great honor, he indicated that he would complete his present study of hydraulics at the Delt house before venturing out into official life.

A week finally went by in which Pi Kap George Hoffe didn't get into trouble, but the boys had a hard time keeping him in when the pledges went out on Halloween to do dirt to the community as a hole. Pi Kap Master Kraegle got 23 sound whacks as a birthday present from his dear brothers. Bob Howard, one of his brothers, got 200 swats just because two actives (long and short) asked him whether he liked big or little feet. He said he liked medium feet so they both swatted him.

Burman came to Pi Kap House and told the boys how he was handling his competition in love: "I'm killing him," said Burman, "with kindness, and if that doesn't work pretty soon I'll try doing it another way." Dale Willman was thoroughly wakened for the first time when the cook dropped a bowl of mashed potatoes on his head. It was noticed at school that "Buddha" had been mashed.

I would like to receive news from Triangle, Theta Xi, Rho Delta Rho, and Sigma Alpha Mu every week if it could be arranged.

The interfraternity formal will be held on February 7, 1941. Phi Kap Greenberg will make all arrangements for location and orchestra.



A semi-annual custom of the office of the dean took place last week, so now is the time to put your nose to the grindstone, shoulder to the wheel, ear to the ground, eyes peeled, chest out, stomach in, feet on the floor, and chin up! Wow, you sure are a heluva looking mess, aintcha?

Famous last words, "I thought I was worth a weak 'D,' Prof."

By the way chil'lun, that harrassed look on Coach Meyers' face is not due to the results of that Chicago teachers game—no sah! He and the "Little Woman" had some trouble in regard to the number of pairs of shoes the well dressed young wife should own and he found out that his "conservative" guess of 20 pairs was rather low—which has made him feel sick at the stomach'er sum'tin!

A story with a moral is the following, provided, of course, that you can find the darn thing! (Pome?) it seems that Johnny Range got a job and bought a car—now he's looking for another job to keep the car running!! Two jobs and a woman—quite a load for anybody!

We hear that Prof. Nash has deemed it advisable to change that E.E. 414 juice course to one in political science. However, the laddies taking the course are not quite in accord since they're all flunking the course as a result of this juggling of the curriculum!

Lo and Behold—Jack (Knock 'Em Dead) Cameron. (ta-rah-blare of bazookas!) This hearty individual tried for two weeks to get an introduction to the registrar's ex-secretary, Dorothy Brown. Finally in desperation he asked one of the other secretaries what Miss Brown's first name is and received this jolting answer, "that won't help you, bud. She's getting married Dec. 21st!" Tough luck for us too, old man.

Hold the phone, boys! Here's another wedding announcement. (What fools these mortals be!!) But seriously, gang, bells and more bells go to Elly Von Mueller and her Pete Peterson from way down yonder in sunny Arkansas who will truck on down that flowery alley (Ed. note: Aisle, you drip) comes Dec. 28th.

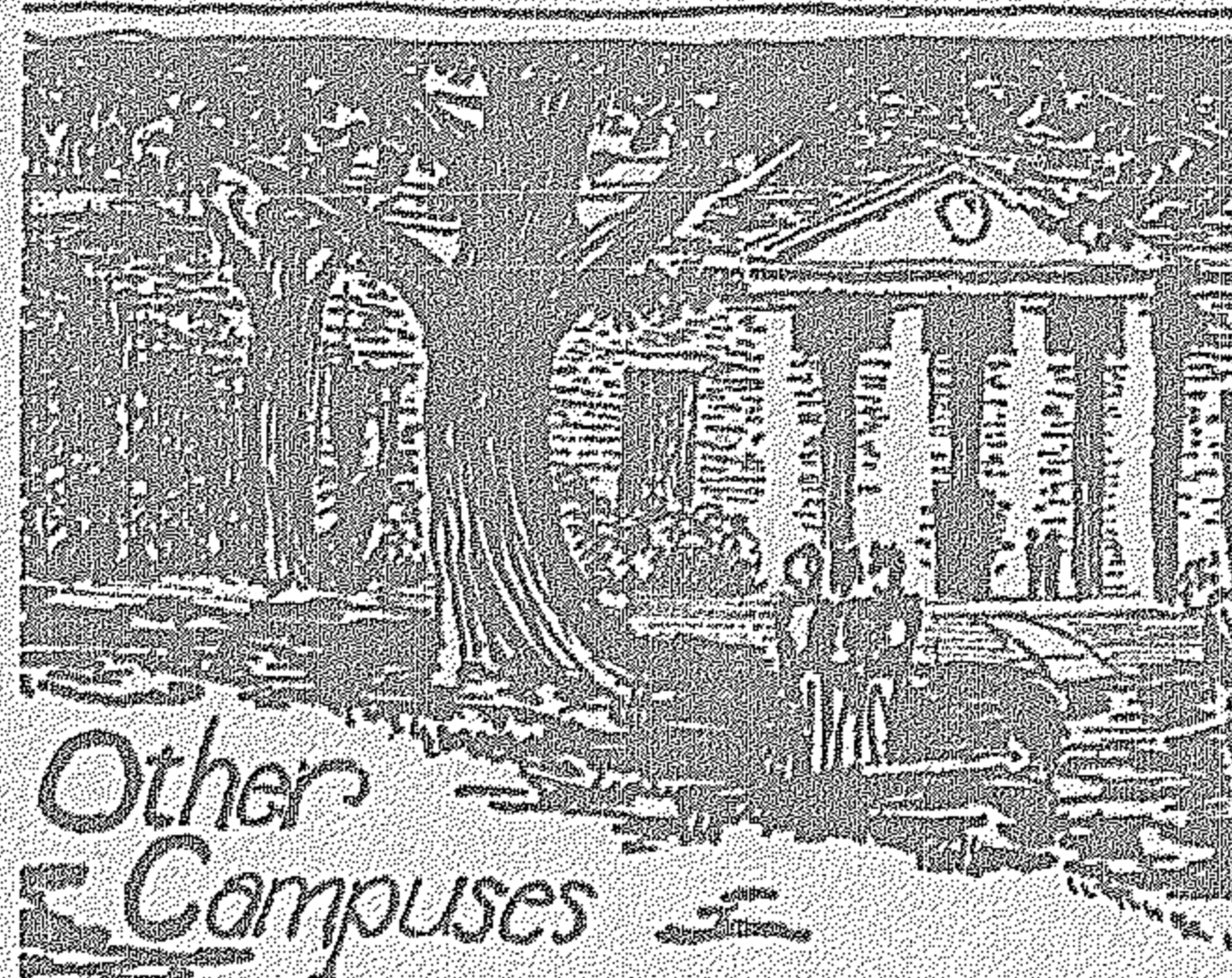
Attention all youse hep cats super-stoppers, high flyers,—and wolves!! After that jam session held at Lewis last Friday you guys should be right in the groove; So don't cool off because this Friday the Dance Club is throwin' a similar shindig, which will feature the inimitable music of the Knights of Armour, and you're all invited. And get this me lads, the bad news is only two bits for de gents and nyah-thing for de skoit! So come on all you Lewis lassies and give the boys a break! !

Jubilation rippled through the ranks of the senior mechs as the news leaked out that Ed "Clubber" Crouse has given up Marge. Yea, verily—the Rip Tide of Calumet City shall see "Clubber" no more!

Official report from special agent No. 125: The Fifth Columnist has begun preparations to remove last winters' underwear and put on a completely new set. IT (the Fifth Columnist) discovered that the stiffness of the knees was not due to old age (as the style of ITS column implies) but to the hardening of said underwear. The chizzling operation will take place in a few days and IT (said Fifth Columnist) is open for bids from the student body. (Ed Note to IT: Careful, one must not rush into things!!)

Pete "Scoop" Woods and Fred "Ace" deMoney, doing their utmost to build up

(Continued on Page Five)



Other Campuses

By Charles I. Ball

Mehmet Kutsi Bedges, Indiana U. post-graduate student from Turkey, says this about the modernization of his native land: "The women have thrown away their veils, but we still can not see their pretty faces because they immediately adopted the Western custom of make-up."

Somewhat analogous to Armour, the University of Vermont Engineering college tripled its feminine enrollment. It now has three coeds.

A survey shows that more college men marry, and marry earlier than college women.

Prof. Jayson C. Balsbaugh of M.I.T. believes that germ-killing vaccinations will add many years to the life of underground electric cables. He has found that germs deteriorate the oil impregnated paper which insulates the electric wires from the lead sheathing.

Stephen Foster is this year's winner for a niche in New York University's famous American Hall of Fame. Foster will take his place among 65 men and seven women already enshrined there. Election to the Hall of Fame is held every five years, and the remaining niches are not expected to be filled before the year 2000.

Tubing is the derogatory term applied to the studios by those who find work difficult. Students of Bradley Tech listed the following actions as "tubes": Staying after class to see professor, asking questions beyond scope of class work, going to the professor's office, and sitting in the front row. A few students mentioned the following: reciting when called on, agreeing continually with all the professor says, taking notes, and carrying books around.

The City College of New York has the largest voluntary R.O.T.C. unit in the country.

To make it appear more dignified, the University of Kentucky Student Government Association has officially changed the name of its "Hell Week" to "House Week."

Freshmen of Michigan State who venture around the campus without their green pots are assured of a free bath in the nearby icy river by accommodating sophs.

The following personal notice appeared in the Daily Iowan of Iowa U.:

JOHN—After this, when you borrow my pants, bring them back the next morning. I have an 8 A.M. class.

The University of Kansas has a new system to foil prowlers. Whenever someone sees a prowler attempting to break into one of the buildings he calls the night telephone operator who switches on two bright red lights atop the chemical laboratory. These lights warn the watchman and also flash similar light signals to the police station downtown.

Maryland U. sophomores rounded up several hundred freshmen recently and made them pray for rain. A rainstorm struck the campus a few hours later. Is that just another example of the benefits of higher education?

New York University is now offering a six year combined liberal arts and engineering course.

A University of Nebraska student, Dick Johnson, hitch-hikes nine miles every day to attend classes and work at a bank in town.

Blitzkrieg!

FELLOW TERPSICHOREANS,

Of course you had a swell time at the Town and Country Hop. Didn't the lads and lassies look "cute" in their hayseed outfits? And that square dancing shore looked like the real McCoy. Guess the guys and gals have been trying to fool us into thinking they were city slickers when they were just corny cousins all the time.

The Dance Club seems like the breeding place for a lot of action. We hear that rubbing noses is in order at all meetings, that is, according to "Butterball". Your Dance Club I.Q. is up to par if you can answer this question who did Sir Walter Raleigh one better by carrying Eileen across the street at Armour last week?

Did you see the hectic hula the Sigma and Gamma Rho pledgers executed last Tuesday? Eleanor Wick and "Snowflake" did a duo that had the audience in stitches. And Dick's rendition of Aloha sounded more like a tad day with the dentist.

It looks like Pat and Eileen have joined the freshman engineering class. Where you see one, you see the horde close by.

Wonder what the boys from Armour would say if they heard about Art Minwegen's crack? Just between you and me, he was reading last week's column, and when he came to the part about Armour's swains, his tongue slipped and it came out Armour's swine. Tsk, tsk, Art! What if your brothers heard about that?

Bill Kaska has become quite a commuter between Armour and Lewis. I wonder why?

Canadian thistles to a (four floor) prof. who has been ailing.

That lunch music in the cafeteria is supplied by the sophs. They decided to liven up the place with a little sweet and swing. It certainly is welcome.

What do Lorna and Flossie have on their minds that makes them shut up like a couple of clams each time they see yours truly approaching?

And from the freshman department, we understand that Jack Ware likes the stock show better than our dances. Maybe he enjoys looking at the rings in the animals noses. Speaking of rings, have you noticed that big handsome George Drevikovsky is wearing rings on his fingers?—Cadwell rings. What Fisher is Hollywood bound and won't shave 'til he gets there?

In reply to the Steam Shovel: we do not deem it necessary to reply to that childish note of last Tuesday. You see, after years of this sort of work, we recognize your feeble efforts at railbery are pure and simple professional jealousy.

To I.I.T.W.A. (meaning wench agitators) in answer to last week's crack. We do not feel (though probably your pledges are not as competent as yourselves at hot air emitting) that such an arrangement would be fair to any of the female of the species (even those found at 33rd and Federal) to allow such a conflict. Henceforth, after the bloat has been deflated, we suggest that you collect your wits, (those of you that have at least half of same) and hire someone competent enough to stand against us in fair competition. signed Uncle Al V.P.P.I.C.O.L.W.

Question of the week: what senior girl (alias Dutch, alias Senior, alias my Palda) has earned the title of the Freshman's Friend? Answer this and you get a fur-lined shaving mug.

Armour got a dose of feminine loveliness (!) last Thursday when the Lewis Cheer Leaders invaded the pep rally in the Student Union Auditorium. The boys whistled and stamped, but I don't think it was in the line of cheering for "dear old Tech."

A hint to Joe Minge who has been studying the art display in Petterino's locker and sighing about foreign women, don't you know Joe that you don't have to go to Europe to marry abroad.

And now we close with a note to Jim "Watch-pocket" Waber: Lil does not write this column.

Snoopily yours,  
THE FIFTH COLUMNIST

Women Only

By A Man

It occurred to us the other day, during one of our periodic shopping tours, that women are beginning to exhibit artistic taste in their clothes. You might say that it's about time—and we would agree with you!

Ever since women were given the privilege of voting, they have conducted themselves in a rather flighty manner. This tendency was apparent in the ladies wearing apparel of the twenties. Fortified with a paint job that would make a Seminole green with envy, the emancipated women sallied forth in a raccoon coat, a short skirt, and a hat that was not really a hat, but a helmet. These helmets were characteristic of the shapeless clothes of the period. Partly to cover up this shapelessness, and partly because of their self-consciousness about smoking in public, women developed a stoop, or more correctly, a slouch.

With the depression, this phenomenon of modern civilization, known as the flapper, disappeared. Suddenly women become conscious of the wantonness of the jazz age. The raccoon coat, like bathtub gin, became a thing of the past—but not the helmet! This reminder of the golden era lived on to perplex another generation. The same general shapelessness in clothes was maintained, but it was given an air of respectability. For some time, fashions struggled along rather indefinitely, bringing out little in the way of innovations. Suddenly the sweater and skirt appeared. This ushered in the modern or enlightened period to which I referred in the first paragraph.

The loose fitting sweater and full skirt are advances, at least from the standpoint of comfort. Along with these, color has come into its own. Plaids and tweeds predominate in skirts, and there is a trend towards cashmere, shetland, and other soft woolens in sweaters. Accessories have changed. Wool socks (including long wool socks which were a stroke of genius) are to a great extent supplanting silk hose which are impractical both from the point of view of comfort and economy. Shoes are now low-heeled and sensibly styled. (Ed. note: It sounds like you might be a salesman for a woolen manufacturer.)

The improvement in clothes lies in the fact that there is a trend toward sport clothes. Other types have not shown much improvement. The modern period has also introduced that monstrosity known as the wedgie. The reasons for its existence will never be fully known. It might be an attempt to combine the effect of the high heel with the comfort of the archless shoe, but to us it looks like some kind of a support for defective feet.

Hats remain pretty much on the level of the ridiculous. It is hard to see any definite style at all in them. We conclude that they are constructed on a surrealist principle. Veils don't add to anything but the confusion which seems to surround the modern woman's head.—And who said that wearing black was an indication of good taste? (Ed. note: And who said it wasn't?)

STEAMSHOVEL ADDENDA

(continued from page 4)

city desk atmosphere, crept up to the news office last Friday afternoon, opened the windows wide, and lighted up a couple of Las Hempas (cigars of low breeding). Their last words were quote break down the door in 15 minutes and get us out unquote!

Sport Flash!! Last Tuesday was a red letter day in the life of Dr. Davey—yup, after 15 long years he finally joined the ranks of the decrepit few and—(easy now) bowled a "perfect game—he broke a hundred!!! May we remove our nite cap to you, kind sir!

Around and 'round it spins. Ah, there it stops. This week, the Senior Informal wheel of fortune whirls around and stops on the name of Benjamin E. Flood. Because of the mystics fortunes that be, Benny is awarded



By Bob Saigh

Christmas carols will soon be heard again with Christmas less than three weeks away. Decca has many stock numbers which are very good, the best of these being Bing Crosby's disc of "Adeste Fideles" and "Silent Night" (621). Incidentally this particular number is Bing Crosby's biggest seller. Bing sings with The Guardsmen Quartet and Victor Young's Orchestra. Frances Langford also has a recording of these same numbers (Decca, 2188). Kenny Baker singing "O, Little Town of Bethlehem" and "Holy Night" with Eddie Dunstodter at the organ can be had on Decca (2189). On Victor there is a very excellent set of Christmas Carols played by Alexander D. Richardson as Organ Solos. This set (P-43) consists of three 10 inch records and complete with album is priced at \$2.00. For those who have become a little bored with the traditional carols, Victor presents "Carols of the English Yuletide." This is truly a different album, the carols being sung by a choir of 21 mixed voices with the background provided by a Hammond organ and a piano. This set (P-42) also consists of three records and is priced at \$2.00.

Artie Shaw, popular Victor maestro, has just organized a six-man instrumental jazz combination from the ranks of his full orchestra to record specialties for Victor Black Label records. The group, titled "Artie Shaw and his Gramercy Five," recorded for its initial effort "Special Delivery Stamp" and "Summitt Ridge Drive," both of which are Shaw originals, and "Keeping Myself for You" and "Cross Your Heart"

Glenn Miller and his Orchestra have a swell disc of "Falling Leaves" and "Beat Me Daddy, Eight to a Bar" (Bluebird, 10876). Frankie Carle, who gave us such tunes as Sunrise Serenade" and "Lover's Lullaby" has another hit in "Falling Leaves." Jack Lathrop sings the vocal on "Beat Me Daddy," boogie woogie's gift to the waxworks . . . Bob Crosby and his Orchestra sound very good on their waxing of "Down Argentina Way" and "Two Dreams Met" (Decca, 3404). "Down Argentina Way" is destined to be a top tune very soon and this is the best disc of this number so far . . . On Columbia Popular records, Alec Templeton waxes "Some of These Days" and "Humming Blues" (Columbia, 33697). "Some of These Days" is a piano solo with a dialogue while "Humming Blues," Alec's theme song, is strictly a piano solo . . .

Six Hits and a Miss with their orchestra give us "Carry Me Back to Old Virginny" and "The Sheik of Araby" (Okey, 5776). Six Hits and a Miss are heard Tuesday night on the Bob Hope show.

a bid to the Senior Informal, to be held December 20, at the Drake.

Now for that brief alluring biography of the "Man of the Week."

Benjamin E. Flood is a senior Fire Protect. Although a native of River Forest he is a graduate of Oak Park High. Benny is a member of Salamander, and is a student editor of the Armour Engineer and Alumnus. Known in River Forest as the "mechanical genius," Mr. Flood has served many years as assistant in the famed Flood Hardware store.

Benny is at present deeply interested in one Ann Scott, a golden-haired glamour gal. We would not be the least surprised if Mr. Flood brought Miss Scott to the Senior Informal. The bid is yours, Mr. Flood.

And since we have nothing better to do, we'll just call it quits. (Ed note: it's about time.)

Snooper—Snoopers.

# TECH INVADES MIDWAY SATURDAY

ON YOUR TOES MEN! IT'S IIT VERSUS CTC!

## Freshman Team Develops Next Year's Regulars

As in other years, the freshman basketball squad has a quintet loaded down with potential varsity stars of next year. This potent aggregation has been practicing for only two weeks, but still beat the varsity "B" squad in a twenty minute scrimmage last Thursday.

### O'Brien Moulds Players

Coach Bill O'Brien has rounded out this freshman group, in the short space of time that they have been practicing, into a smooth passing, fast breaking squad. An indication of the freshmen's strength was given in the impressive 12 to 4 victory over the "B" squad.

In this game, Coach O'Brien's charges used a fast breaking, speedy offense to sweep the "B" team off its feet, while holding them down with a close knit zone defense. These tactics are expected to be used to good avail by the basketeers in the remainder of their schedule.

### Assignments Indefinite

As yet the assignments of positions has not been made definite. Fred Greenwood and Jim Dunn, two speedy sharpshooters, seem to have their designs on the forward positions. Ivo Buddeke and Ed Lally, two rangy six footers are the leading candidates for the position of center.

### Twenty Aspirants

Dan O'Connell and Bud Groves lead the candidates as yet for the guard positions. Besides these men, there are about twenty other aspirants out for positions on the team. Coach O'Brien is scrutinizing the possibilities of these men at the practices on Tuesday and Thursday evenings.

After the squad has been more polished it expects to enter into competition with other freshmen aggregations. Among the expected opponents are Loyola University and the Chicago Teachers College freshmen.

### Strong Last Year

Last year the freshmen had a strong group, and several of the members moved up to the varsity this year. These men are Ray Lagodney, Jack Byrne, Dick Guetzow, and Mario Silla.

## Lewis' Frosh Cagers Whip Sophomores

Twenty-one to six was the score by which the Lewis freshman basketball team beat the sophomores at the game last Tuesday. The freshmen held the sophomores scoreless during the second half. Kustholm of the freshmen team was high scorer with eight points, while Klingman scored four of the six points for the sophomores.

Freshmen			Sophomores		
G	F	P.	G	F	P.
Arboe	2	0	0	0	0
Clark	2	0	0	0	0
Rowe	0	0	0	0	0
Carpenter	2	0	1	0	0
Kustholm	4	0	0	0	0
Gersen	0	0	0	0	1
Kowleski	0	1	2	—	—
Bartholm	1	0	0	3	0
Heap	0	0	0	—	—
Weinfield	0	0	0	—	—
10			1 3		

### Badminton Squad Wins

The badminton team from Chicago Teachers College failed to show up in full strength for the game scheduled for last Wednesday. Consequently, the C.T.C. representatives fell down before the Lewis onslaught. No more games are scheduled for this quarter, but future matches will be planned after the holidays.

## TECHMEN LOSE TO C.T.C. 34-20; FACE RAPIDIERS TODAY

Although the Techawk cagers gave the Colonels a good fight last Thursday, they were unable to stop the Teachers from winning 34-20. Needless to say, this defeat was quite a jar to the team, which expected a victory.

### Techawks Spot 11 Points

Obviously, the fact that this was their first game together was a deciding factor in this game, for the Chicago Teachers had played four others prior to this one, and as a result, displayed a much smoother functioning outfit. Shot after shot struck the rim, or glanced off the backboard, and eight minutes had elapsed before the Techmen had scored a point. The score at the end of the first half was 17-4. The second half, however, told a different story as the Techawks matched the Colonels bucket for bucket, showing a decided improvement over the first half.

Diminutive Joe King, the blond captain of the Colonels proved too potent as he potted three long shots from far out to give the Colonels a six point lead. Kernan, Kings running mate, made the score 10-0 as he tossed in two long shots. Then, with more than eight minutes of the first half gone, Byrne neatly outmaneuvered the Colonels, and scored with a beautiful left hand hook shot. Quick baskets by Jacobsen and Szevesk, and a free shot by King made the score 15-2. "Burly" Sieg dribbled through the Teachers' team, and put in a step in shot, and Jones then scored the final point of the half, making the score 17-4.

### Second Half Better

In the second half, the Techmen came back strong, and played the game that they were capable of playing. Sieg and Byrne each hooked in beautiful shots, and Pendlebury made two charity shots while the Colonels scored twice to make the score 21-10. Successive baskets by King, Mager, and Donlan for the Teachers, and two rebounds by LaGodney, and Byrne's two free throws for the Techawks, brought the score to 27-16. The Colonels made seven points while Byrne and LaGodney each made a free throw, and Sliwa hooped a pot shot, making the final score 34-20.

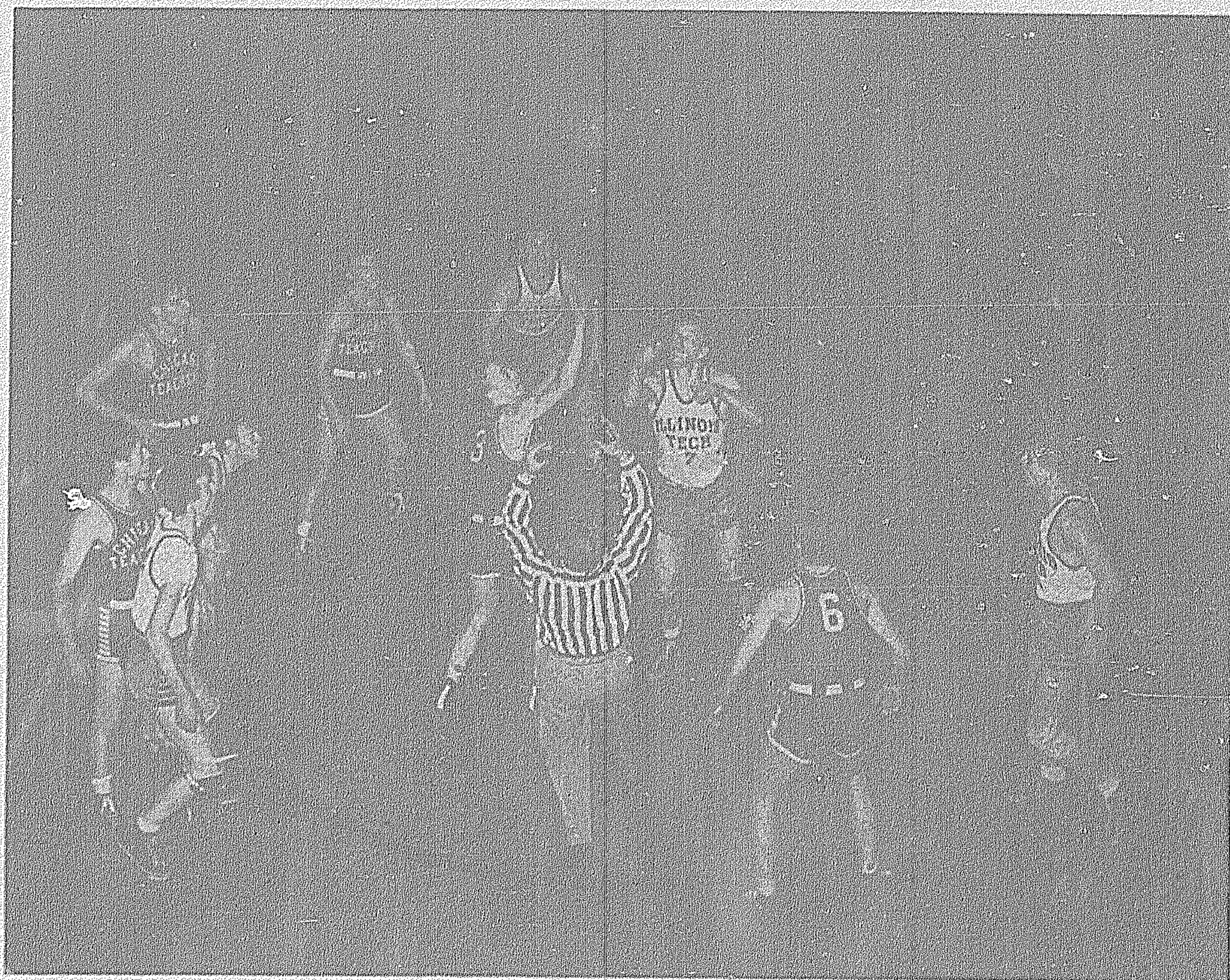
### Grand Rapids Today

Today at 4:15 our Techawks battle Grand Rapids at the Armory. The cagers hope to avenge a double licking at the hands of the Michigan lads suffered in their encounters last season. The first game ended in a 39-36 victory for the Furniture men on the local Chicago court and later in the season the Tech five journeyed to Grand Rapids only to be set back in a closely-contested 46-42 tussel.

The University of Chicago furnishes the opposition for Illinois Tech on December 14. The game will be staged at the University of Chicago fieldhouse and the Maroons can always be guaranteed to give our basketeers a real fight.

Chicago Teachers			Illinois Tech			
B	F	P.	B	F	P.	
Jones, f.	1	1	2	Carey, f.	0	0
Jacobson, f.	2	0	2	Steg, f.	2	0
Szewesk, f.	3	0	2	Neuhaus, f.	0	0
Donlan, f.	1	0	0	Brierley, f.	0	0
Mazur, f.	2	0	2	Pendlebury, c.	0	2
Stanzel, c.	0	0	1	La Godney, c.	2	1
King, g.	4	3	2	Sliwa, g.	1	0
Gajewski, g.	0	0	0	Galandek, g.	0	0
Kernan, g.	2	0	3	Byrne, g.	2	3
Newby, g.	0	0	1	Newell, f.	0	0
Aylward, g.	0	0	0	Sommers, f.	0	0
				Bergstrom, f.	0	0

Referee—Smith (De Paul, Umpire Havlicek (Indianapolis).



Pendlebury (Illinois Tech) and King (Chicago Teachers) leap for ball under Colonel's basket.

By Paul Leopold, Staff Photographer

## Swimmers Look To Successful Campaign

With most of last year's squad back, the swimming team is looking forward to a good season this season. Although the squad won seven meets while losing only three last year, this campaign's record is expected to be better.

### Blume Leads Team

The reason for this optimism lies in the seven major lettermen back from the 1939-40 squad. Probably the team's leading point getter will be Captain Arnold Blume who specializes in the 40 and 100 yard free-style races and free-style relays.

Competition is between Karl Koos and Vic Svagdis for the post of breast stroker. Both also compete in the medleys and are major letter winners, Earle Huxhold will be the team's outstanding backstroker, the backstroke being his best event, and will also compete in the medleys.

In the free-style races, Roman Mankus in the 100 and 220; Bill Powers in the 100 and Lawrence Rademacher in the 40 are all holdovers from last year, and will compete again. Powers is also a diver and will share diving honors with L. T. Blumberg, who has been out several seasons.

### Newcomers Shine

The most promising newcomers are Elliot Gage and Don Wallgren both free-stylers. These and other newcomers are being watched in practice, which is being conducted on Monday, Wednesday, and Friday afternoons at Bartlett Pool.

On the whole, the team seems well balanced, with good men in

(Continued on Page Seven)

## TECH SHORTS

By Fred DeMoney

It must be nice to have a fine, spacious, well-equipped field house. What a pleasure it must be to the student when he takes a brief "between periods" swim. Basketball courts (plural), wrestling and boxing rings, tennis and badminton courts, tracks, gymnastic equipment; imagine all these in the Illinois Tech fieldhouse.

No such good fortune befalls the present Tech student. Instead of the "dream" fieldhouse, he must contend with the fifth floor gymnasium, referred to with great respect as the "collar box," and "sweat box." Many are the activities that inhabit the Main building emporium.

The program for the gym resembles that of a time schedule for a baby's diet in its preciseness. As released by one of the part time occupants of the fifth floor closet, the schedule runs something like this:

- MONDAY, WEDNESDAY, AND FRIDAY:
  - 9-12 Gym Classes
  - 12-3 Intramural Basketball
  - 3-6 Wrestling, Boxing
  - 6-9 "B" Basketball, Fraternity Basketball
- TUESDAY AND FRIDAY:
  - 9-12 Gym Classes
  - 12-5 Intramural Basketball
  - 5-7 Freshman Basketball
  - 7-9 Fraternity Basketball
- SATURDAY:
  - Fraternity and Graduate: 9-11, 12-1, 1-3.

This schedule is but half the story of the crowding of the gym. Working in with the wrestlers are the weight lifters. Fencers are also present during the afternoon. Sometimes those who intend to improve their golf game swing a few clubs towards the practice net.

The gym is obviously overcrowded. For the equipment and available time the Physical Education Department is doing an amazing job in keeping most all parties satisfied. But sport activities are on the increase, and new room is needed. More than ever before Illinois Tech needs a field house. We make the "key-note" speech in this matter. A field house for Illinois Institute of Technology.

## FENCING GROUP HOLDS TOURNEY

If you think that the days of flashing blades, steel against steel, and various other assorted rib-slitting practices, are gone for ever, save for the occasional melodramatic offerings of stage and screen, a couple of hours in the Ogden fieldhouse this evening may considerably surprise you.

### Plan Tournament

Under the auspices of the Fencing Club, about 25 or more intense young engineers will lay aside their slipsticks at about 5 P.M. and take up their foils to do battle. Thus, comes just about the first fencing tournament to be seen around these parts in a dog's age. The Fencing Club invites any and all who have any inclination toward fencing to come around and join in the fun. Prizes will be offered to the sharpest performers in both the experienced and the novice classes. A mask and a foil will be first and second prizes respectively for the experts, while the novices choicest will be treated to a foil and a fencing glove.

At a meeting of the Fencing Club last Tuesday, the ball was started rolling without delay when nine of the attending members extended challenges to pick bones with some of their compatriots. Challenges have been issued by:

- Thomas Paknis to William Chun-Ming
- Robert Tannehill to Robert Sims
- Robert Kirk to Vernon Forte
- Eugene Murphy to Nat Raetner
- R. Krause to Richard Larson
- Kriesburg to Berrgren
- Lackner to Gillespie
- Tom Brown to Bill Vizard
- Leo Orsi to Ross Humphries

### Lists Still Open

The lists are still open for more gladiators. One stipulation exists, however, that refusal to respond to a challenge results in an automatic forfeit of the match to the credit of the challenger. Likewise failure of the challenger to appear results in a forfeit of the duel to the one challenged.

Non-members of the Fencing Club are particularly welcome to fence at this meet.

## BASKETBALL RESULTS

- Jr. Mechs, 27; Fleas, 11
- Jr. Juicers, 19; Soph Mechs, 35
- Sr. FPE, 6; Stardusters, 32
- Sr. Civils, 19; Jr. Chems, 32
- Sr. Chems, 10; Soph EE, 29
- Jr. Civils, 21; Jr. FPE, 23

# So I've Heard!

By Art Hauswald

It looks as if Old Man Winter is going to shut out the finals of the touchball tourney. However, Intramural Manager Chuck McAleer has vowed that as soon as it is possible, the boys will have to get out there and finish up the tourney.

Though the initial showing of the Techhawk basketball squad resulted in a loss, it did point out the abilities of several newcomers at first string berths on the team.

The shining light in the Techhawk defeat was Jack Byrne. Tech guard, only sophomore to rate a starting position on the squad. A fast and tricky ball handler, he has one of the prettiest left hand hook shots seen in these parts for some time. He took Techhawk scoring honors with two baskets and three free throws for a total of seven points.

Next in scoring honors for the Techawks was Ray LaGodney, sophomore center, with five points on two baskets and a free throw. A graduate of Bill O'Brien's freshman squad of last season, he looks to be a real scoring threat for the Techmen in future games.

Joe King, guard and captain of the Colonels, was top scorer of

the day with four baskets and three free throws for a total of eleven points. He has scored 42 points thus far in four games the Teachers have played.

The Techhawk mermen open their swimming season next Friday at Chicago Teachers College. With last year's squad almost intact, they should top even last year's record of seven wins and three defeats.

Chuck McAleer has decided to have the Bowling Tourney consist of inter-departmental bowling teams rather than have individual competition as formerly planned. All department bowling teams entering the tourney will be handicapped, so that all the teams will be even. Entries are being accepted now.

**RAMBLINGS:** Look out for a frosh team to cop the basketball tourney . . . Hank Sliwa had three personals called on him in the first half of the Teacher's game, but came through the second half with nary a one . . . Bob Neuhaus, Techhawk forward, is a very smooth ball handler . . . where was that fast breaking offense? . . . Only six free throws were converted by the Techmen out of fifteen . . . Nice turnout for the opening game . . . Illinois Tech plays Grand Rapids today at four, the University of Chicago on the Midway Saturday night . . . Let's see you all there.

## Swimming

(Continued from page six)

most of the departments. The splashers' main weakness is in the free-style, due to the loss of Whitney Pearson from last year's squad. Manager Dick Larson has expressed the hope that all potential swim stars would report to him for heavy duty.

### Face Teachers First

In the first meet of the year, the squad will clash with Chicago Teachers College. Last year Armour beat the Teachers in a photo finish, and another hard battle is expected.

Knox College, Illinois Wesleyan, and Grinnell College are strong teams that have been added to the schedule on the Southern Trip, negotiations are being made to meet several colleges in Kentucky, Tennessee, and Alabama. This will round out a longer and stronger schedule for the splashers, but they are expected to weather it.

## Two Losses Mar Riflemen's Slate


Despite the high scores that the Illinois Tech boys recorded, M.I.T. and Missouri School of Mines recorded victories over our rifle team. These are the first meets that the shooters have lost in a long time and will spoil the perfect record for this year.

Victories have been scored thus far over Stevens Institute, Rens-

sellaer Polytech and Brooklyn Polytech. Combined with the two unexpected losses this still leaves the riflers with a record of four wins and two losses to leave them

as one of Illinois Tech's winningest teams.

Also scheduled are two shoulder to shoulder meets with Wheaton during the following months



Presents a

# DANCE

and

# PUPPET SHOW

Jan. 17      Armour Auditorium

Curtain 8:15 P.M.      Tickets .50

Music By  
**KNIGHTS OF ARMOUR**



## CAMELS

Give Camels for Christmas—Camel is the cigarette that's particularly welcome. Especially in this gay gift pack—age below. Contains 4 boxes of the popular flat fifties. Easy to get—a right gift. Your dealer has it.

Here's another famous Camel Christmas gift—10 packs of "20's"—200 mild, flavorful Camels—colorfully wrapped, ready to give. A perfect gift. Ask for the Camels in the Christmas carton!

## PRINCE ALBERT

Season's Greetings

On Christmas morn—perfect for pipe-smokers—this handsome Christmas-wrapped pound tin of Prince Albert, the mild, rich-tasting, cool-burning tobacco. Be sure to get this holiday "special."

## CAMELS

For those who prefer cigarettes, give Camels and you can be sure your gift will be appreciated. For more smokers prefer slower-burning Camels than any other cigarette. They are the cigarette of costlier tobaccos that gives more pleasure in every puff. Your dealer is featuring Camels for Christmas in the two handsome packages shown above. There's nothing like Camels to say: "Happy holidays and happy smoking."

## PRINCE ALBERT

No problem about those pipe-smokers on your gift list! You just can't miss when you give them a big, long-lasting one-pound tin of the world's most popular smoking tobacco—Prince Albert! (Or a one-pound real glass humidor.) Pipe-smokers call Prince Albert the National Joy Smoke. Your local dealer has Prince Albert's Christmas-wrapped "specials" on display now! Get your Prince Albert gifts today!

R. J. Reynolds Tobacco Company, Winston-Salem, N. C.

GIFTS THAT ARE SURE TO PLEASE IN BEAUTIFUL CHRISTMAS WRAPPERS

### Six Pledged To Chi Epsilon; Dr. Marin, W. Pierce Honored

Six outstanding men were initiated into Chi Epsilon, the national civil engineering honorary fraternity, on Friday, November 27, in the Steel Room of the Union League Club of Chicago.

Dr. Joseph Marin, associate professor of civil engineering, became an honorary member of the fraternity. Walter Peirce, a graduate student, was also honored. The initiated students were Charles I. Ball and Richard Bergstrom, juniors; John Kirkland and John P. Martin, seniors. After the formal initiation and dinner the president of Chi Epsilon, Elmer Ratzel, introduced the new members, who gave short addresses. The alumni members present then related interesting details of the work which graduate members of the fraternity are now engaged in.

### Plans For Junior Formal Busy New Officers Of Class

Adoption of the executive form of government awaits the complete election returns of the Junior class, because of the increased number of departmental elections. Final tabulations show that Frank Jenicus has been elected president, Roman Mankus, vice president; James J. Walker, secretary, and Gustav Staats, treasurer.

According to the plan, one representative elected from each department and headed by the social chairman constitutes the social commission of the Junior class. Those elected to the commission from their respective departments are: Miss Mary Spies, architect, Charles Lachman, Ch. E.; Ray Liebrandt, C. E.; Jorma Leskinen, E. E.; George Beda, F. P. E.; Bob Arko, M. E. Those representing Lewis are John Knapp and Steve Mendak. At present the commissioners duties are limited, but preparation for the Junior formal late in February will occupy much of their time within a few weeks.

### Groundwater-

(Continued from page three)

of Management. A few weeks ago he was elected Social Chairman of the Class of '42. A native of Chicago, Warren resided at 4231 South Racine Avenue and came to the Institute from Tilden Technical High School.

The loss of this cheerful lad will be keenly felt by his many friends within the Institute, and those who did not know him sincerely hope that nothing like this will ever occur again.

Pall-bearers at the funeral will be classmates James Waber, George Orescan, Roman Mankus, George Bauman, James Bennett, and Richard Dunworth.

ANTICIPATED INCOME	
Student Activity Fees	\$23,500.00
ESTIMATED EXPENSES	
Baseball	\$ 2,000.00
Basketball	1,450.00
Blankets	200.00
Boxing and Wrestling	920.00
Directors and Coaches	4,800.00
Dance Club	60.00
General Expense	750.00
Golf	380.00
Intramural	300.00
Musical Clubs	700.00
Radio Club	125.00
Rifle Club	250.00
Swimming	250.00
Tennis	600.00
Track	700.00
Track Relays	1,000.00
The Cycle	4,990.00
Armour Engineer and Alumni	2,500.00
Yacht Crew	75.00
Hockey Team	200.00
Estimated Reserve	500.00
	\$23,500.00

### Frosh Election Run-off Forced In Three Posts

In typical IIT fashion, the freshman class went to the polls on December 4, and succeeded in electing a secretary, treasurer, and vice-president. Run-offs will be necessary to decide the other offices.

Every race was a neck and neck battle except the vice-president's, where Robert Lamons was swept into office with a two-thirds majority. Bob Howard, however, nosed out his opponent by only three votes in the struggle for the secretary's position, and Bill Dunlap won the treasurer's job by only a slightly larger majority.

The presidential battle has narrowed down to James Alger and Harry Anderson; the social chairmanship contest was so close that all three candidates, Michel Coccia, Robert Dundas and Bruce Worcester will have to run again. Since a majority vote is necessary for election, the I.T.S.A. representative's race was also deadlocked, and so Don Maihock, Bill Parks and Iva Buddeke are still running.

### AERONAUTICS-

(Continued from page three)

meteorology, air navigation, and aircraft operation. Besides 72 hours of primary groundschool and 146 hours of secondary ground school, the course includes from 35 to 50 hours of "light plane" flying and 40-50 hours of acrobatic flying. The first course leads to a pilots license and a 15 rating. The second course yields a 25 rating and sufficient knowledge to pass a written examination for a commercial license.

For an "in a nutshell" answer to prospective future students the following copy of the primary course entry blank should be sufficient explanation.

For further information applicants should see or call Professor Wells—Phone BeV. 0802.

#### CIVIL AERONAUTICS FLIGHT TRAINING NEXT SEMESTER

Students and other qualified persons desiring to take the preliminary flight training next semester should make application at once.

The necessary qualifications are indicated in the following quotation from the application blank:

"In making this application I understand that in order to qualify for this training I must meet the following requirement:

I must be a citizen of the United States and have attained my nineteenth but not my twenty-sixth birthday by \_\_\_\_\_ 1941.

If under 21 years of age, I must obtain the written consent of my parents or guardian for this training.

If not enrolled in college, I must be a fully matriculated degree candidate and have satisfactorily completed at least 1 full year of college work acceptable to the institution sponsoring the training.

If not now enrolled in college, I must have satisfactorily completed 2 full years or more of accredited college work acceptable to the institution sponsoring the training.

I must never have been disqualified from participation in the Civil Pilot Training Program by Advisory Board Action.

I must successfully pass a physical examination for a Student Pilot Certificate, with a Commercial GPT rating, administered by a designated Civil Aeronautics medical examiner.

I agree, if selected, to complete the ground and flight course unless disqualified by the college, the flight operator, or the Administrator of Civil Aeronautics previous to its conclusion.

I further agree, if selected, to abide by all the rules and regulations as promulgated by the Administrator of Civil Aeronautics and the \_\_\_\_\_ in connection with this flight training.

I pledge myself to apply for flight training in the military service of the United States.

Signature of Applicant

The date for the age limit is not known exactly but it will probably be either February 1, 1941, or March 1, 1941.

It is desired to have the applications soon so that there will be time for the two medical examinations and other necessary preliminaries before starting the ground school classes with the regular classes at the first of the second semester.

Applications blanks may be obtained from Dean C. A. Tibbals, the Registrar, the Civil Engineering Office, Room 215 Chapin Hall, and from Professor M. B. Wells, Room 320 Chapin Hall.

### MATH MEETING HEARS DeCICCO; DIFF. ELEMENTS

At the last meeting of the mathematics colloquium, Dr. Lester Ford introduced Dr. John DeCicco whose topic was Differential Elements." Dr. DeCicco was a favorite student of Professor Edward Kasner of the University of Columbia, and he collaborated with him on many mathematics papers.

Defining a differential element in two-space by 3 coordinates x, y, and theta is the basis on which the theory is built. If the so-called Hessian system is used, the coordinates are called u, v and w. Dr. DeCicco went on to derive many theorems concerning the relationship of these elements by using definitions that he established before.

### LOU BREESE-

(Continued from page one)

makes the orchestra immediately recognizable when you hear it on the air, or hear one of its Varsity record best-sellers on a "juke-box." To musicians, it's a variation of six-eight tempo, as contrasted with the four-four of ordinary bands, or the two-four of the Dixieland bands, or straight eight-beats-to-a-bar of the "Boogie Woogie" style. To non-musicians, it's simply a tricky rhythm that makes the Breeze dance music extra-danceable, in fact, irresistible. We dare you not to dance!

Against this rhythmic pattern, the orchestra plays the most modern, melodic music of any of today's leading orchestras, made even more distinctively by cunning use of counterpart, and highlighted by the rhythm singing of

### Puppets-

(Continued from page one)

headed for New York where they established a record run of 54 weeks. Later recalled to Hollywood the Yale Puppeteers made over 200 puppets for the motion picture "I Am Suzanne", and did a follow up picture with Walter Connelly.

"It's a small world," title of the performance will be presented in conjunction with a dance. "The Knights of Armour," fresh from their successful engagements at the Armour and Lewis IIT dances will furnish the music. Prices have been tentatively set at 50 cents

"Skip" Morr, the ballad of Berry Warren, the Glee Club numbers by the entire band, Lou Breeze's solo trumpet, and the "Brass Choir" of four trumpets, including Lou's, and three trombones.

for Christmas... give the cigarette that Satisfies

A carton of Chesterfields with their Milder Better Taste will give your friends more pleasure than anything else you can buy for the money.

Chesterfields in the attractive Gift carton that says... Merry Christmas