

Demons to Dance Friday Night

Register Now!

Deadline Dec. 21

Students who have not already filled out their pre-registration cards are urged to do so immediately by the Registrar's office. The penalty for not meeting the deadline, Dec. 21, is that of not being allowed to register until the last day of the regular registration period, Feb. 14, 1947. With the record enrollment expected for the spring term, the last day of registration will find little choice, or nothing at all left for those who neglect pre-registration.

Pre-registration cards may be obtained at the Admissions Office Annex 2nd floor, Student Union building.

All students with the exception of incoming freshmen are to make appointments with their faculty advisors to plan their programs. Those without faculty advisors are to see the secretary of the department in which they are taking their major.

Day graduate students must follow the same procedure, securing their pre-registration cards at 205 Main building after Jan. 6, 1947. Their cards must be in by Jan. 20, or the same penalties will apply.

Pan-Hell Council To Hold Second Tea

The Pan-Hellenic council will hold the second of its newly inaugurated monthly tea-dances, tomorrow afternoon from 4:30 to 6 p.m. in the Student Union Auditorium.

According to Miss Mollie Cohen, Pan-Hellenic sponsor, refreshments will be served and musical entertainment presented throughout the afternoon.

The first social held last month was so successful that the original meeting place has been outgrown, the committee declared. The faculty and students are cordially invited to attend all of the Pan-Hellenic socials, said Joan Nicholas, president.

The ITSA voted the funds necessary for these gatherings at one of its recent meetings. John Makiel-ski, president of the ITSA, hopes that these affairs will continue in their popularity to become permanent social functions at IIT.

Illinois Tech Music Club Gives Rockford Concert

Last Friday marked the first appearance of the season of the Illinois Tech music clubs, when a concert was presented at the Woodward Governor Co. at Rockford, Ill. After having lunch and inspecting the plant, the members of the music clubs held the concert in the auditorium of the plant. Special guests at the concert were 50 IIT co-ops, taking their freshman work at Rockford College, and eighty Rockford College co-eds. Following the program, the chairs were pushed back, and a dance was held to the music of Homer Wickham's dance band.

Three Jills



CANARIES—The "Three Jills" will wobble with Del Rene's band at the juniors' "Satan's Holiday." Another trio will supply music at the individual tables during intermissions.

Co-Sponsor of Engineer's License Law to Talk Here

A duo-featured, all-school assembly will be held next Friday at 11:05 a.m. in the Student Union Auditorium. Highlighting the program will be a talk by Prof. H. E. Babbitt, one of the sponsors of the Illinois Engineers' registration Bill, and the pledging ceremony of Tau Beta Pi, national honorary fraternity.

The program will be sponsored jointly by the Illinois Tech chapter of the American Society of Civil Engineers and Tau Beta Pi.

Professor Babbitt, who is a professor of sanitary engineering at the University of Illinois, was a member of the committee which drew up the registration bill. He was also one of those instrumental in

securing passage of the bill.

His talk will deal with just what the bill is, what it requires of graduate engineers and benefits to be derived from it. He will also cover the much-discussed veterans amendments of the bill.

Professor Babbitt is a national authority in his field and has spent time abroad studying sanitation throughout the world. In addition to being an author of several texts, he is the secretary-treasurer of the Illinois Society of Engineers.

The Tau Beta Pi pledging will immediately precede Prof. Babbitt's address. Pledges are selected on the basis of scholarship, leadership, and service.

In announcing the program, Henry Hawry, ASCE president, requested that all persons be in the auditorium by 11:05 a.m. since the program is a full 50-minute one.

Turkey to be Given at White Collar Girl's 'Tinsel Tussel' to Lucky Patron

If you're worried about that Christmas turkey this year, the White Collar Girls may be able to help you, for on the night of Thursday, December 19, they are holding a party called the "Tinsel Tussel" where a turkey of ten pounds or better will be given away as a door prize.

The party will be held in the Lounge of the Student Union building starting at 7 p.m. and arrangements are being made to offer dancing and community singing as part of the entertainment. For the price of admission—seventy-five cents per couple, forty cents per person—you can dance to your heart's content, partake of the free refreshments, play cards, and stand a chance to win your Christmas turkey. All members of the IIT staff, faculty, and the student body have been invited by the WCG's. A sample ticket has been made up and as soon as more can be printed, they will go on sale.

Satan's Holiday Bids Near Top Sellout Point

The tickets to "Satan's Holiday" are going fast and are near sell-out, announced Harry Twickler, junior class president and director of the dance committee.

A careful plan has been prepared by the members of the social committee to keep tables reserved for those who attend. All tables will be numbered and will have souvenir place cards on them.

The spacious Grand Ballroom on the 7th floor of the Continental Hotel will supply plenty of room for an evening of fun and dancing to the music of Del Rene and his orchestra. Featured with the band are "The Three Jills," top notch vocalists. Also on the entertainment bill for the evening is Bob Adair's "Men of Note." This trio will provide music at the tables during between dance intermissions.

Tickets for the Friday 13 affair are being sold every day in the lobby of the Student Union from 10 a.m. to 2 p.m. Pat Vedel and Bill Ponton, committee salesmen, urge those who plan to attend to buy their bids as soon as possible. Bids are on sale for \$3.00.

Special arrangements will be made for groups who wish to have the members of their party seated together. Table service will be provided and souvenir bids will be given at the door. Committeemen Marlynn Hewitt, Wally Larson, Maristell Dixon, Chester Lyngaas, have arranged an evening that promises to be one of the semester's long remembered social events.

ITSA Announces Decal Contest

An emblem truly symbolic of IIT's rapidly expanding Technology Center is the object of the Decal Contest being sponsored by the IIT bookstore. The winning decal is to be used as the new school emblem for windshield stickers, license plate emblems, pennants, etc.

The contest, which opened Dec. 3, will close Jan. 11. A Parker "51" pen will be awarded to the student presenting the emblem judged to be the most unique and representative. Dean White, Prof. H. C. Spencer of the technical drawing department, and Mr. P. J. Fox, manager of the bookstore, will be three of the six judges. Three students will be appointed to the board later. The ITSA appointed Jim Toepfer, freshman C. E. to take charge of the contest as chairman of the contest committee.

Any IIT student is eligible for entry. Credit for an optional plate will be given by the technical drawing department to all students entering designs. The number of units credit will be determined by instructors and will be based on the quality of the work. Professor Spencer invites anyone desiring aid of a technical nature to see him in his office on the 5th floor, Main building.

Contest rules are as follows:
1. Entries must be submitted on 12" x 12" white drawing paper.
2. Lettering on decal must be black.
3. Entries must be submitted in color. School colors, scarlet and gray, are to be used.

by BILL BURKHART, Editor

THE DIVISION OF Liberal Studies has announced that English 209 will be offered next semester. *Technology News* has advocated the placing of such a course in Fundamentals of Speech in the curricula. The Liberal Studies division, however, has come up with a clinker hidden in the announcement. Juniors and seniors will not be allowed liberal studies credit for this elementary course, in public speaking because "English 209 is a sophomore course". The Managing Board of *Technology News* believes that juniors and seniors will benefit from learning to talk before a group as much as will sophomores. It does not believe that juniors and seniors will require any additional "sound laboratories", "recording devices", or "auditoriums with adequate acoustic, lighting and ventilating facilities".

ANOTHER FIRE DRILL was held last Thursday. In general, the response was better than that shown during previous drills. It was far from satisfactory, however. It doesn't take much imagination to picture how quickly Chapin and Physics would burn once they got started. In such a case, even a good fire drill could result in something more than a few singed eyebrows.

The payoff of Thursday's rehearsal came when a group leaned out of the windows of the fourth floor Physics drawing labs and laughed at the crowds in the streets for leaving the buildings. According to the fire drill regulations issued from the

(See AS I SEE IT on page 5)

'Mistletoe Hop' Next Wed.

The first IIT dance to be publicized over the air is the "Mistletoe Hop." Eddie Hubbard on his Chesterfield ABC Club announced the dance last Thursday when he honored IIT in his "College Corner."

The "Mistletoe Hop" will be held next Wednesday night, December 13, in both the Auditorium and the Lounge of the Student Union building to accommodate an expected capacity crowd. Don Freeman and Ed Zietz, chairmen of the Dance Club, have made arrangements with a number of colleges to insure an adequate number of girls for the stag line. In addition, Eddie Hubbard has invited all the college girls in the Chicago area to attend. This should convince even the die-hard pessimists that, for a change, there will be plenty of girls for all. Homer Wickham and his boys will be on hand to supply their sweet and solid music for the occasion.

Eddie Hubbard played several request tunes; the favorite pieces of numbers of IIT students and plauded Dr. Hayakawa's lectures on "35th and State." To gather material for his broadcast, he visits leading colleges in the Chicago area once a week and interviews students for their request tunes and ideas.

C. A. Force Appointed As New Business Manager

On December 1, Mr. Gilbert A. Force, assumed his recently assigned duties at IIT's business manager.

A member of Northwestern University's business staff for the past sixteen years, Mr. Force is a graduate of the university's School of Commerce and is active in the Chicago Association of Commerce and the Educational Buyer's Association.

At Northwestern, Mr. Force gained experience in the construction and equipment of the technological buildings. He is succeeding Mr. Harvey Anderson as business manager and will have full financial responsibility over the cafeteria, bookstore, dormitories, purchases, student activities, and the post office.

Official student publication of Illinois Institute of Technology, 3309 Federal Street, Chicago, Illinois. Published weekly during the college year. Represented for national advertising by National Advertising Service, Inc., college publishers representatives, 420 Madison Ave., New York, N. Y., Chicago, Boston, Los Angeles, San Francisco. Entered as second class matter October 10, 1940, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Subscription rate \$1.00 per term.

MANAGING BOARD

Editor-in-Chief.....BILL BURKHART
Business Manager.....PAUL A. THOMPSON
Managing Editor.....HOWIE BAUM
Sports Editor.....ED ARENDS
News Editor.....WIT KOSICKI
Feature Editor.....MARTY GABRIEL

STAFF

Assistant Sports Editor.....Joe Ringhofer
Copy and Rewrite Editors—Samuel Rand, Lester Templeton, Sid Lewis, Walter Zwiersky, Joe Coffey.
Feature Writers—William Furlong, Jack Scaggs, Sherwood Benson, Michael Werth, Tony Lamselka.
Photographers.....Ralph Belke, Chuck Hatstat
Cartoonists.....Ronald Born, Ken Holst

TYPISTS

Toni Basie, Helen Delich, Beth Kelley, Irene Barry, Julie Balich.

REPORTERS

John Anderson, Jona Ocha, Louis Frakes, Louis Fisher, Jerry Friedman, Sol Goldstein, Robert Guthrie, Henry Howry W. A. Kalk, D. J. Kasmar, June Lyons, James Murphy, George O'Brien, F. J. Padavic, R. J. Falkorn, Paul Sample, S. A. Shaheen, Pat Vedel.

Editors Emeritus—Milton Burkart, Harry Burkart, Ramon Olson, Alan Grant, Jim Brophy.

Advisor.....IIT News Bureau
Financial Advisor.....IIT Business Office

Safety in IIT Labs

Safety conditions in IIT labs are not what they should be to guard against the loss of life and health of the student body. E. Clark Woodward, one time Director of Safety, wrote an article on "The Blind Scientist of IIT". in the Campus News Letter—No, there is no such man as yet, but who knows? Technology Center may soon be famous for having on its staff or among its students a great scientist or potential scientist who is totally and permanently blind.

The complacent and self-satisfied attitude of some teachers whose attitude is expressed by, "During the twenty years I have been in this lab there hasn't been a single accident under the conditions that prevail" is in no way indicative of a progressive outlook.

A grinding wheel should be provided with proper guard to prevent eye injuries; a testing machine should have a guard which will not fly off when a bent specimen proceeds in its direction; the organic chem labs are too crowded for the type of experiments performed. This latter shortcoming, in fact, is general and machines in the materials lab are much too closely spaced for the type of guards provided.

Safety is not a onesided problem. It requires the intelligent cooperation of all concerned. Teachers should thoroughly acquaint students with possible dangers and the operation of machines, and instruct them in emergency measures and first aid. Students should follow to the letter all instructions made for their safety and be serious in their work. At the present time, both students and teachers are not living up to these basic requirements.

It is understood that criticism of this nature produces two completely different reactions: One is the opposition of vested interests and those with hurt prides, the other is constructive action resulting in advancements for the good of all. It is hoped that the foregoing suggestions will be accepted in a constructive manner.

Man Of The Week

President of Alpha Sigma Phi, Lind Is Active in 4 Honoraries

by George O'Brien

When the fanfares of this January's graduation are over, IIT will notice the absence of a most versatile personality—Ronald H. Lind. Rollo started in the long "grind" at IIT in September 1941; he was only 16 years old.

He immediately thrust himself into a host of activities. As a member of the Armour Players, the fore-runner of Dramatech, he was in the cast of one of their productions. He

turned out cartoons for both *Technology News* and the *Integral*. His duties as president of the ITSA took up some more of his time; the remainder of it was taken up by his studies for a degree in Chemical Engineering.

After a period of service in the navy as an RT he returned to the campus last year and proceeded to make up for lost time. He is taking a graduate course in night school.

Lind is a member of numerous organizations: The Glee Club; Pi Nu Epsilon, the musical fraternity; Pi Delta Epsilon, national journalistic fraternity; Alpha Chi Sigma, professional chemical engineering society; and is president of Alpha Sigma Phi, national social fraternity. Besides being an active member of all these organizations he has kept a high enough average to become a member of Tau Beta Pi, of which he is a one time president. In addition, Phi Delta Upsilon, national honorary chemical engineering society claims him as a member.

In closing it might be said that though his time schedule did not allow for any sports activities, there is one letter which he would certainly be awarded if it existed—and that is for social graces.

The divorce rate has risen so that there now is one divorce for every three marriages. Can it be that people no longer care to stomach each other for life?

—IIT—

"Where did Joe get that awful black eye?"

"He mistook asthma for passion."

—IIT—

EE: "So you bawled out your girl about the way she put on lipstick?"

CE: "Yeh, she put it on an ME's face."

—IIT—

"Well, my father has two wives to support now."

"How's that? Is he a bigamist?"

"No, but I just got married."

—IIT—

Dentist: "Sorry, but I'm all out of gas."

Girl in chair: "Ye gods! Do dentists pull that old stuff, too?"

—IIT—

"Are you game, girlie?"

"Possibly, have you got a hunter's license?"

—IIT—

The jalopy's motor began to pound and knock and finally gave up in a burp of steam. The worried boy said to his companion: "I wonder what that knock could be?"

"Maybe," said his blonde girl friend, "it's opportunity."

Techmen Talk

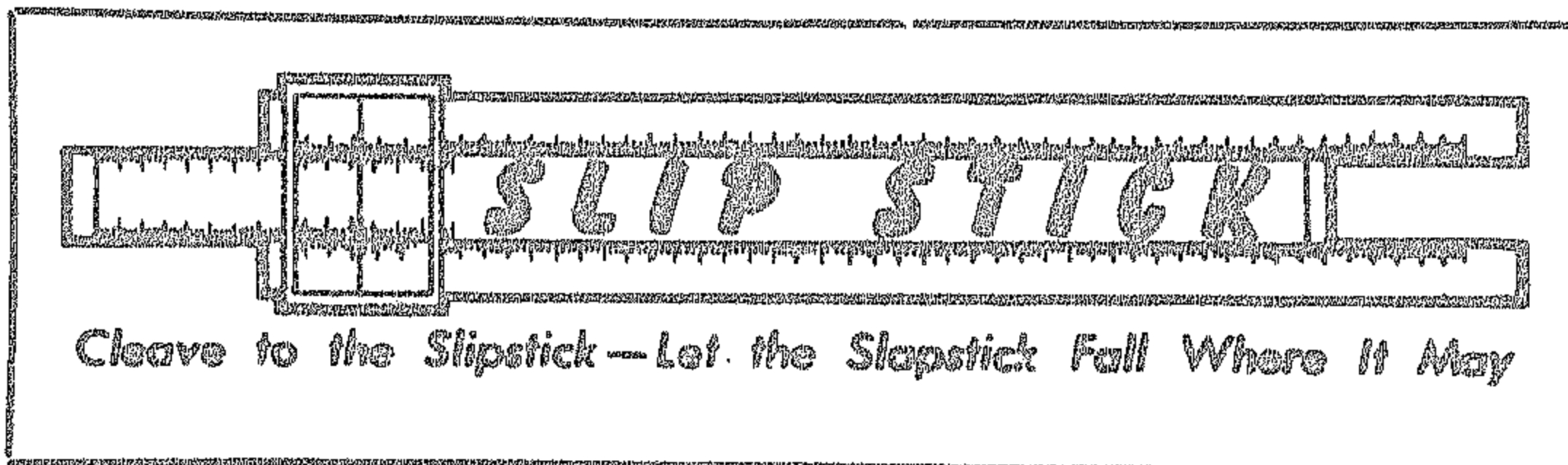
by Mike Werth

Question of the week: How in your opinion can the United Nations Assembly be made to effectively preserve the peace of this world?

Chuck Schram Soph EE:

"The veto should stand but not the way it is now. At the present time it is being misused by Russia. The veto should be used for the interest of the world as a whole and not for the individual nation. Since the big powers have more experience in international trade and co-operation it is the big five who should be in charge of all armed forces under U. N. jurisdiction and any use of these forces should be agreed upon unanimously by them. To make unanimous action possible, Russia would have to be more cooperative. The nationalistic attitude of all countries would have to change. The one way to accomplish this is by education. As things are now nations are not willing to give up enough of their rights to make U. N. really work. Many barriers to international trade should be removed such as that South American Cattle law. There should be an international exchange of teachers and students. The main thing needed to

(See TECHMEN TALK on page 3)



CE: "Could I have just one kiss?"
Co-ed: "Sorry, I don't cater to the retail trade."

—IIT—

The crew of the Proteus, a Navy submarine tender, tells this story of its little ship, whose main armament consists of four 5-inch guns. A few days before the Jap surrender, the Proteus prepared to enter Tokyo Bay at night. The radar man reported the contact and the Proteus' skipper ordered his signalman to send the challenging message: "Identify yourself or we will open fire." Back came the reply from the target, "This is the USS New Jersey. Don't scratch our paint."

—IIT—

"How do you manage to get money out of your husband?"

"It's easy. I say, 'I'm going back to mother;' and he immediately hands me the fare."

—IIT—

Then there's that story of the lawyer who sat up all night trying to break a widow's will.

—IIT—

"Why do you have such a high bed for your little boy?"

"So we can hear him when he falls out of it."

—IIT—

Alimony is like buying oats for a dead horse.

—IIT—

WOLF: A modern dry cleaner—works fast and leaves no ring.



Twelve shopping days to Christmas and one more issue of *Tech News* then the happy slide rule artists can relax with a sigh of relief. No more worries, no more fear that the "guilty" shall be exposed in the paragraphs below.

* * *

Ed Lindahl had a date for a recent school dance, or so he thought until the girl's sister called him on the telephone to tell him the date was cancelled. Reason: the young lady found another man and was to be married the following night.

* * *

Somewhat in the spirit of the popular "glow in the dark" slide rule, the boys over at the Triangle fraternity put their heads together and developed the wonder of wonders. A slipstick operated on the principle of an Ouija board. Declares Promoter Hoffslager: "It'll take all the elements of error and possible mistakes out of mathematical calculations."

* * *

Ted Pryst, that man about town and country had difficulty in trying to persuade his sweetie, Charlotte, to come to a fraternity party last Saturday. Maybe she remembers the night of the senior dance where he willingly divided his lovin' amongst several other fraternity dates. The Digger has learned that Charlotte reads the Steamshovel every week and since she hasn't seen Ted's name in it she assumes that he is being true to her. (Ted is nearly ready to publish his "Directory on Dates" but is having difficulties with promised royalties from the Link).

* * *

A budding genius is in our midst as any fifth term EE student will verify. Referring to none other than Bill "The Brain" Wightman, we find that he is always glad to lend a helping hand to any instructor especially in class when the lecture becomes a bit involved. J. F. thinks Bill is bucking for an "A".

* * *

Warren "Pop" Ferguson is having more than his share of troubles as the pouches under his eyes will indicate. It seems that Ferguson's baby is getting her preventative shots and he has to stay up half of the night trying to quiet her. Between tending the baby, washing dishes, and doing calculus, Warren had this to say about married life, "S. O. B."

* * *

The latest word on fashions can be obtained from Tom Goldcamp who recently did some self inspired research at a loop fashion show. After tantalizing study, Tom analyzed the situation: "All the stockings were well filled. Black lace still rates high but a shortage of material is evidenced. Goody goody."

* * *

E. Howard Smith is about ready to give up his daily breakfast in the cafeteria. Every morning Howard, still half asleep tries to eat his meal peacefully when Shirley Saxon breaks in with her hearty "Hi" and a long and loud resume of the previous day's experiences. Smith feels he is wasting too much money, leaving half his food behind.

* * *

Illinois Tech's basketball team has a new type of rooting section. Rather than having a few people exert themselves on the court, a new technique was developed. Pat Vedel just sits in one of the seats industriously chewing her gum and emitting a screech periodically. This system was tested at a practice game at Hardin Square Park although for some reason which the Digger has not yet determined, another method was used at the Loyola game.

* * *

Professor Rufus Oldenburger has a group in his math class in Chapin Hall which he affectionately calls the "Gas Institute boys." The situation is an outgrowth of the overcrowdedness causing the class to extend the full length of the room, hence the last two rows are known by that call.

* * *

Then there is the Mech 202 instructor, name undisclosed, who gives an example of a high moment of inertia. It is a woman—she is hard to get going and hard to stop when she does get going.

* * *

Ye olde Digger concludes this column with the afterthought that the lull between Thanksgiving and Christmas vacations could be made more pleasant by completely dispensing with homework and reports.

—The Digger

Jazz Wrought by King Oliver's Band Made Syncopation History

King Oliver's Creole Jazz Band, which played at the Royal Gardens Cafe from 1922 to 1924, was probably the hottest band ever to play jazz. Dancers would stand around the bandstand in amazement listening to the fast stomps or the soul searing blues played by this band. The cornet "breaks" taken by Joe Oliver and Louis Armstrong were feats beyond imagination.

The greatness of this band is not something that has to be accepted through word of mouth, but is a thing that can be proven by listening to the band recordings made on the Gennett, Paramount and Oket labels in 1922. All together the band cut 36 sides. All of them are jazz masterpieces. These records are today the most sought after collectors items. Recently a copy of: Mabel's Dream, Sweet Baby Doll; Oket 8235, brought \$90 at a record collectors auction sale. Even more recently Workingmans Blues on the Gennett label were discovered. So far offers up to \$2000 have been made for additional copies of this record, but none have been found.

While King Oliver's Creole's were making jazz history several larger sized bands were playing around the loop and South Side. These larger bands are the counterpart to the Andy Kirk and Lionel Hampton bands of today. Most of these bands played in theaters, large dance halls and amusement parks. At the Vendome Theater on 31st and State, Erskine Tate had an orchestra that was later to feature Louie Armstrong, Earl Hines, and Fats Waller. Sammy Stewart had a fine band at the Metropolitan Theater on 47th and South Parkway. This band at times featured Freddie Keppard, cornet; Sid Catlett, drums; and Alex Hill, on piano. Two other large bands which are worthy to mention are Elgin's Creole Orchestra and Doc Cook's Dreamland Orchestra. For years these bands held forth at Riverview Park, Dreamland Ballroom on Ashland and Van Buren and White City of 63rd & South Parkway.

Fraternities and Sororities

DELTA TAU DELTA

Tom Galavan's beer party on November 23 was a good deal. To get things off to a roaring start there was a scavenger hunt before the beer party. Pledge Brother Howell picked up an easy twenty points because his girl happened to be wearing a pair that were the right color. Understand that the Steven's Hotel is looking for a bath mat and a couple of goldfish are wandering around loose. The two winning groups split a \$16 prize and the two lowest groups divided a \$1 booby prize. Afterwards beer and dancing were enjoyed by all. The party was held at Pine Lodge, 7138 S. Western Ave.

Monday afternoon the pledges beat the actives (in a football game) and were rewarded for their efforts with several rounds of beers. Brother Taylor didn't quite lose a weekend but he sure tried.

Roy Norrlander, 4B senior, was elected as Triangle president for the coming spring term stated Bob Backlund, active president.

The remaining new officers are: Carl Weber, Vice-president; Wilbert Kedrow, recording secretary for the second successive term; Frank Koditek, treasurer; Howie Baum, Corresponding Secretary; Ed Adolphson, steward; Art Ballou, house manager; Bob Guthrie, chapter editor; Bud Schmidt, social chairman; Dick Lund, sports manager; and Bob Enroth, librarian.

The card and dancing party held last Saturday was a social and financial success. Many actives and their friends and parents attended.

(See FRATERNITIES & SORORITIES p. 7)

INFORMATION FOR FREE

Accidents do happen... but many of them have an uncanny talent for happening in newspaper plants.

Take, for instance, the little incident that occurred several weeks ago when Dr. S. I. Hayakawa was preparing to deliver his lectures on jazz. Sensing an interesting story, the editors of *Technology News* proceeded to go all out on the story—augmenting the news story with picture coverage.

The bosses went to great lengths rounding up the pictures and making them suitable for publication. Imagine their horror when the pictures and captions popped up in reversed positions—with Jimmy Yancey's picture blanketing Dr. Hayakawa's caption.

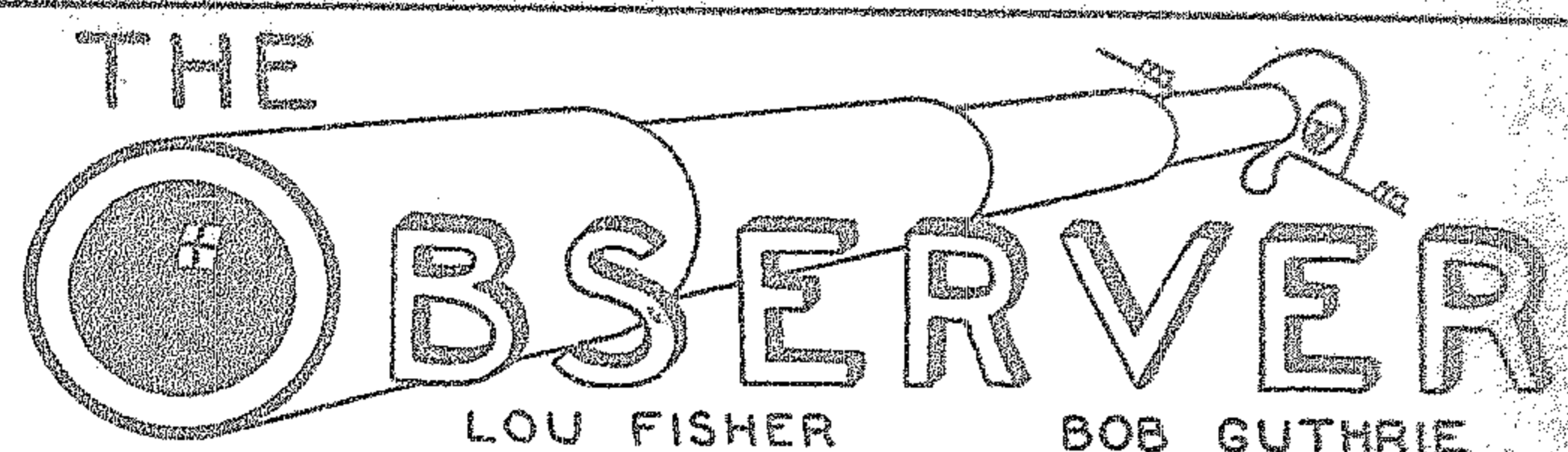
At last reports Mr. Yancey was not planning to sue.

The height of newspaper mistakes is recounted by chubby Bob Casey in his book, "Such Interesting People." It struck a small newspaper which was overwhelmed with news of a great tragedy and a festive occasion on the same day.

The highly respected wife of the mayor of the town had suddenly joined the ranks of the deceased. Naturally the editor of the paper dug up a photograph to head her obituary which was to run on the front page.

The same day the town celebrated the passing of a historic old landmark—a landmark which, for the sake of delicacy and postal regulations, shall be called an "Outhouse." The editor also planned a front page story and picture of the joyous event. The stories and accompanying pictures were to run side-by-side on the front page. In due time the paper appeared with the stories prominently displayed. But unfortunately, somewhere along the line a slight mistake had been made.

Over the picture of the sadly-deceased wife of the mayor ran the line which was to cap that of the "landmark." "Old Eyesore Gone at Last."



Chicagoans care little for good plays, but enthuse over those containing sex, or what passes for it; its poor taste is illustrated by the results at the box-office.

"Maid of the Ozarks" ran for many months; its corn had no redeeming features. It showed people scratching themselves, but because they were hillybillies, it was so funny. Another success was "Good-Night Ladies," a dressed-up version of burlesque. As such, it was amusing but only lasted a couple of weeks in New York.

But the talk of Chicago for two years was "Voice of the Turtle." This was a satire on conventional sex mores, but most of the audience took it seriously. The acting was artificial, but the play dared to show the violation of established conventions, so it was successful. Another well-attended production was "Anna Lucasta." It had excellent acting, but the story? It told about a prostitute (beautiful of course) who was redeemed by love, cast down, redeemed again, curtain.

These were the successful plays in Chicago. Now what were the good plays that were not patronized? "The Glass Menagerie" made its debut in Chicago. The story centered around a "down and out" family, its frustrations, past glories, dreams and present poverty. Eddie Dowling, Laurette Taylor, the girl and the gentleman caller brought out "The Glass Menagerie" a living drama. It was a play not to be quickly forgotten, but one that grew on the audience. A city that was surfeited by such trash as "Voice of the Turtle" and "Anna Lucasta" could not appreciate the beauty of "The Glass Menagerie." After a run of a few weeks, it left for the better judgement of New Yorkers. In New York City, it won the critic's award as the best drama of the year, while Laurette Taylor was acclaimed the best actress.

The indifference of Chicagoans to—
(See THE OBSERVER on page 5)

TECHMEN TALK

(Continued from page 2)
make the U. N. effective is increased cooperation.

Maurice Rusnak, Junior EE:

"I believe that this can be accomplished by advocating effective cooperation between nations with regard to trade and commerce, by fostering world education in its applications to international relations, and by a free and uninhibited increase in the interchange of basic philosophies and ideas."

Charles J. Ticho, Soph EE:

"One of the most important factors which would help the United Nations to effectively preserve the peace is to create and maintain an atmosphere both within and without the organization which would increase the confidence of the people of the world and tend to eliminate the suspicions and petty bickering among nations."

If and when such an atmosphere is created I believe the member nations will more readily surrender some of their sovereignty and thus place the authority of the U. N. above that of each individual nation.

Alumni Hear Ad Man Talk

Mr. Adolph H. Fensholt, president of the AHF Advertising Agency in Chicago, spoke before the Alumni Association last Friday on "Friend or Enemy?"

Mr. Fensholt first pointed out that advertising meets criticism in intellectual circles because of the contention that it encourages needless spending, prodding people into acquiring more; creating want.

He defended advertising in this manner:

"Franklin Roosevelt was elected on a platform that called for a government guarantee of 60 million jobs. To guarantee this many jobs meant that everybody must be producing and buying.

"Distributing the fruits of production may be done in a totalitarian way which the country does not seem to want or by sales promotion—by advertising.

"To sell everything produced, persuasion is necessary and to maintain life as we know it now, advertising is a necessity."

In conclusion Mr. Fensholt stated, "Before you can decide whether advertising is friend or foe, you must decide which philosophy you believe in.

"If you believe in a standard of living, advertising is a friend. If you believe in a simple life without modern complexities, advertising is an enemy."

IF Council Votes to Admit Daedalians

The Interfraternity Council passed three amendments in the meeting at the Triangle house last Thursday evening.

The first amendment provided three standing committees. These committees were: The social committee, to be composed of the social chairman of the various fraternities; a trophy committee to take care of the engraving of cups and location thereof; and a constitutional committee whose duty it is to interpret the constitution.

The second amendment described the regulations for the scholarship cup competition. These regulations were erroneously omitted from the original draft of the constitution. The third amendment was presented by Roland Fisher and provided for a reviewing board for disputed sporting contests. All three amendments were unanimously passed.

The Daedalians formally petitioned for entry into the interfraternity council and were accepted by an unanimous vote.

The Sigma Alpha Mu will be hosts to the IFC for their next meeting December 19th.

Public Speaking Among New Electives Offered

Larger and more varied selections of liberal arts electives are being offered for the coming term. English 209, fundamentals of speech, one of the new courses, is of special interest since its inception is due to the great interest exhibited by the students in such a course. This course is a prerequisite of English 210, also a course concerning public speaking. Professor Harvey Webster and Professor Mentor Williams, both of whom have had considerable experience in the field of public speaking, are tentatively scheduled to teach the course.

Since English 209 is a sophomore course, juniors and seniors will be unable to credit it as their liberal studies elective, according to the Division of Liberal Studies.

Dr. J. H. Rushton New Ch. E. Head

The appointment of a new director, in the chemical engineering department has been announced by Dr. Henry T. Heald, president.

Dr. John H. Rushton has been appointed director of the Institute's chemical engineering department to replace Harry McCormack, who has retired after forty-two years with the Institute.

Dr. Rushton, who was chief of the government chemical engineering section controlling oxygen research for the Army and Navy during the war, has been chairman of the chemical engineering department of the University of Virginia since 1937. He carried both his undergraduate and graduate studies at the University of Pennsylvania, receiving a doctor's degree in 1933.

Mr. McCormack, who has been with the Institute since 1904, has the national distinction of having headed a department for thirty-eight years. He is a graduate of Drake university, with a master's degree from the University of Illinois. Well-known in the chemical field for his extensive research and writings, and for the designing and developing of the first synthetic phenol plant in the country, Mr. McCormack is also known as a consulting chemical engineer for many industries throughout the country.

Armour Eye Visits Deutch Studios

Armour Eye held a meeting at 8 p.m. last Wednesday evening in the Deutch Studios at 75 E. Wacker. Members of the club had the opportunity to look through the complete collection of studio photographs before Mr. Deutch gave a lecture on lighting technique.

Using a plain box as a subject, he first demonstrated the use of one main light source, adapting the other lights as spots and fill-ins. With a plaster head model, Deutch emphasized his theory that subjects are, after all, three dimensional and one of the photographer's duties when taking a picture should be to bring out this tri-dimensional quality of his subjects.

In his last illustration on lighting technique, Deutch selected a live model as a subject. After this members of the club were given the opportunity to try their hand at setting up a lighting system of their own, subject to the criticism of Mr. Deutch. At the close of the meeting all members were invited to inspect the Deutch Studio dark room.

SAM Schedules Trip to Milwaukee This Thursday

The Society for the Advancement of Management in accordance with the highest standards of professional societies is featuring a season of lectures and a series of projects in which "Every Member an Active Member" is the theme. Field trips, professional talks, management surveys and other activities are included in this season's program. The highlight of the fall semester will take place this Thursday when the entire unit will visit the A. O. Smith Company in Milwaukee. In addition to the monthly business meetings, the semesterly field trips and the frequent lectures, many other features and events are planned. Bob Hamilton has planned five projects which the entire unit is now setting into operation. These projects include a Junior Week exhibit, a public relations staff, a unique employment service, a system of I.E. department counseling, and a general survey of the production methods used in Chicago firms.

Interview



Photo by Hatstat
ABC MAN—Eddie Hubbard, master of ceremonies of the Chesterfield ABC Club, passes around the cigarettes as he interviews Bob Czeropski and Pat Vedol. The program was broadcast over WIND Thursday night.

Public Law 16 Vets: Get on the Ball!

All veterans under Public Law 16 who have not as yet reported for the month of November should report immediately to the Veterans Administration office at the south end of the SU.

Howard Riesstag and Frederic I. Hand, training officers from the Veterans Administration, have been recently assigned to IIT. Hand, who has replaced Corrado De Sylvester, has been given permission to dispense surplus books and supplies, which he is able to obtain from the Veterans Administration. Jack F. White, Dean of Students, reported that the closet adjoining the ITSA office would be available for the storage of these books and supplies.

Hand indicated that the student body will be notified through *Technology News* as soon as the equipment becomes available for veteran sales.

11 Pledges Initiated By Mech Honorary

Pi Tau Sigma, national honorary engineering fraternity initiated eleven pledges last Thursday evening. The men underwent a two week pledge period during which they were required to learn prescribed information about the fraternity and Illinois Tech in general.

The initiates were: Eric Eckburg, Oliviero Henojosa, Albert Bourdon, Don Elliott, Paul Larson, Kurt Kuhnle, Ed Suhr, Gerald Schneider, Walter Zwierzycki, William Porcelli, and Victor Sklair.

A dinner in the honor of the new actives was then held in the East Dining Room. Present at the dinner were Robert Rose, faculty member, and Dr. Roland Budenholtzer, honorary members; the latter passed around cigars announcing the arrival of a baby boy to him last Thursday. Miss Lois Graham, an alumnae member from Rensselaer Polytechnic Institute, was also at the banquet.

New By-Laws Adopted By AIEE; Gross Speaks

To operate more effectively and efficiently, the AIEE adopted a new set of by-laws at their meeting last Friday, according to Dudley Budlong. The changes made affect the operation, organization, and methods of electing officers.

One of the amendments adopted is completely new to IIT. It states that to be eligible for an office in AIEE, a person cannot hold an office in any other professional organization or engineering honorary. This amendment was adopted to insure the election of officers who could devote the necessary time to discharge their duties.

Following this Dr. Eric Gross, the faculty advisor, told of how the "Electrical Engineer," and AIEE publication, would soon be changed to contain the type of material understood by the students.

Theatre Ticket Prices Reduced

The English Department is inviting all Tech students to use the member's coupon of the Goodman Theater to buy \$1.20 tickets for \$.60 for all performances. This coupon may be obtained in the English office, Room 303C. Anyone who uses the coupon can buy as many tickets as he wishes at the member's rate. The only stipulation is that the coupon be returned to the Department the next morning so others may use it.

The Goodman Theater, an adjunct of the Art Institute of Chicago, is a school of the theater. The group presents a different play each month, from October through May. There are fifteen performances a month beginning the first Thursday of the month and running consecutively except Sunday and Monday. There are three weekend performances and a matinee on the last Thursday.

The current play is Lennox Robinson's, "The Far-Off Hill". Telephone reservations are accepted ten days before the first performance.

The bulletin board of the English Department outside of Room 303C, has a schedule of these plays and also of the productions of the Northwestern University Theater.

IRE and AIEE Conduct Membership Campaigns

As part of their membership drive the IRE, in conjunction with the AIEE, will operate a booth next Friday morning at 11:00 a.m. in the Student Union building. Applications for membership in the local and national chapters of both IRE and AIEE will be available. This arrangement is part of the effort for closer cooperation between the two organizations.

At the last meeting of the IRE, movies, part of which were in cartoon form, were shown on electromagnetic waves. Richard Gates, president, is planning a field trip for the group to be held later this term.

Rifle Club and Team Meet Every Monday

The Rifle team and the Rifle Club have consolidated so that now the meetings are held jointly every Monday at 5 p.m. in the Navy Building. Separate sets of officers are maintained for each organization, and both have announced there are openings for prospective members.

Matches are to begin in the middle of January and continue until a series of 15 or 20 of these intercollegiate meets have been completed.

J. Pierce Lists Advantages Of Research Work

"Industrial Research—A Career in Engineering" was the title of talk given by J. Pierce before the student branch of the American Society of Mechanical Engineers last Friday. Mr. Pierce is supervisor of the Heating and Heat Transfer research group of Crane Company and is doing graduate work here at present.

Bob Boyar, president announced that Dr. J. T. Rettaliata, director of the ME department, will address the ASME at their meeting to be held Thursday evening, December 19. His talk will trace the evolution of the gas turbine as it is associated with jet propelled aircraft. Modern jet aircraft will be discussed along with future possible applications including the use of jet propulsion as a power source for automobiles.

Industrial research has expanded to almost twenty times its 1920 level and the number of people now employed in research has almost doubled in the last six years stated Mr. Pierce. Many industries including the plastics, synthetic rubber and electrical lamp industries owe their present existence to research, he continued.

While in school, a man interested in research should learn to develop his ideas in written and oral form along with a technical background in the field of his interest. Research men must be able to sell their products to men in the other departments of the company.

Research men must be able to interchange ideas with their associates with complete open mindedness towards the ideas of others. Cultivation of study habits developed during school coupled with the ability of concentrating are traits of the successful man in research emphasized Mr. Pierce.

Primary goal of research is to make profits for the company. The goal is reached through various steps—pure research, basic applied research, and development research.

Basic applied research takes the products of pure research and determines which may be used by the company to make profits.

Development research transforms, by the use of pilot plants, etc., the results of basic applied research into commercial products.

Mr. Pierce graduated from Purdue in 1936 and has been employed by Crane Company since then. He is now supervisor of the Heating and Heat Transfer Research group and attends Illinois Tech's graduate school.

Chi Epsilon Pledges Seven Civil Engineers

Seven junior and senior civil engineering students were pledged to Chi Epsilon, national civil engineering honorary, at the ASCE fellowship held last Friday evening. Those pledged were: Ivan Damewood, Edgar Fey, David Obert, James Old, Beldon Ostrum, Arnold Rossner, and Ernest Vlad.

The pledge period is taking place this week, with pledges carrying range poles and rivets, two important symbols of civil engineering.

The group recently announced the selection of Raymond Sauer as faculty advisor, to succeed Prof. John Mangold, who passed away last spring. Additional officers for the term were also announced at this time. Those elected were: Vice-president, Kenneth Miller; secretary, Burton Lewis; treasurer, Herbert Reisman; and pledgemaster, William Mathia.

Three Techman On Air Friday

For the second time in eight days IIT will be represented on the air waves when the program, "Opinion Please" is broadcast Friday at 10:00 a.m. over station WBBM.

Sharing the spotlight on the Dec. 13 edition of the radio program will be three IIT students. Techawks appointed by John Makielski, president of the ITSA, whose selection was subsequently approved by the ITSA board, are: Wally Garbalinski, B & E senior; Jacob Dumelle, senior ME; and Ronald Lind, senior CHE. Since the program is on the air from 10 to 10:30 a.m., Rho Epsilon will broadcast the show to the students in the cafeteria.

The program, which is broadcasted via transcription, will have for its topic the question, "Who Shall Control Atomic Power?" Two guest experts will voice their opinions over a national hookup during the first fifteen minutes of the program, the latter fifteen minutes being devoted to student discussion over a local hookup. Prof. Livingston of MIT and Dr. Fleming, formerly an advisor to Bernard Baruch, will be the guest experts.

Transcriptions were cut Dec. 6, Dr. Harry Henig of the economics departments acting as moderator for the IIT students.

● AS I SEE IT

(Continued from page 1)

Department of Fire Protection and Safety engineering dated 18 Oct. 46, and referring to the memorandum from the Office of the President dated 25 Sept. 46, "Each instructor is responsible for the orderly conduct of his students."

If the persons in the drawing labs at the time of the fire drill were members of a class meeting there at that time, the Department of Fire Protection and Safety Engineering shouldn't have much trouble in fixing responsibility for the poor showing during the drill.

IT HAS BEEN ESTIMATED that 300 IIT students attended the pep rally and burning of the Loyola effigy. For an Illinois Tech gathering, that's a good sized mob. There was a bigger mob, however, leaving from the Student Union and going home at 4 p.m. And why were they going home? Because the pep rally committee had succeeded in getting 4 o'clock classes excused, of course.

● THE OBSERVER

(Continued from page 3)

wards good theatrical productions was also shown by the poor run of "Jacobowsky and the Colonel." Franz Werfel created a play that combined humor and pathos, the story of the eternal refugee, Jacobowsky. Driven out of most of Europe, he had to leave Paris due to imminent capture by the Nazis. He connected up with Colonel Sterbinsky, a man, who having been a hunter all of his life, now had the strange role of being the hunted. The interplay between the two diametrically opposite types provided many laughs. But behind it was something deeper, the plight of the refugees, the optimism of the hunted, the feudal Colonel mind breaking into the twentieth century. "Jacobowsky and the Colonel" played for two years in New York but only a few weeks in Chicago.

Ballyhoo, sex, suggestiveness but not quality are the criteria of success in Chicago. Below the thin veneer of city sophistication lies a crude vulgarity. The remedy? Certainly not a stricter censorship, but an appreciation of true artistry.

Cafeteria Prices Investigated by Student Committee

The ITSA Board of Control, taking action on complaints of the students in regard to prices charged by the cafeteria, investigated the charges and released a report from its recent meeting.

A canvass of other school cafeterias and commercial restaurants produced the following facts on the major items of food served:

Item	IIT	G. Wm.	No. Ford Pk. Hopkins College Cafe- teria
Bread	1c	1c	does not serve
Butter	1c	2c	does not serve
Ice Cream	6c	7c	15c & 20c
Milk	9c white choe.	8c	7c white 8c choe.
Pork Tenderloin	30c	35c	18c
Sandwiches	15c	10-20c	15c-21c
Vegetables	8c	7-10c	does not serve

This report indicates that the IIT cafeteria prices are less than or at

(See CAFETERIA on page 8)

REVISED REGISTRATION CALENDAR

January 31st—Friday	Day Graduate Registration	1:00 to 2:00 PM
February 1st—Saturday	Evening Undergraduate Pre-Registration (Registration for all classes will be conducted only at Technology Center)	1:00 to 4:00 PM
February 3rd—Monday	Evening Undergraduate Pre-Registration (Registration for all classes will be conducted only at Technology Center)	6:00 to 8:30 PM
February 4th—Tuesday	Evening Undergraduate Pre-Registration (Registration for all classes will be conducted only at Technology Center)	6:00 to 8:30 PM
February 5th—Wednesday	Evening Graduate Registration (Returning and New Students)	6:00 to 8:30 PM
February 6th—Thursday	Evening Undergraduate Registration (Both Technology and Downtown Centers)	6:00 to 8:30 PM
February 7th—Friday	Evening Undergraduate Registration (Both Technology and Downtown Centers)	6:00 to 8:30 PM
February 8th—Saturday	Evening Undergraduate Registration (At Technology and Downtown Centers)	1:00 to 4:00 PM
February 10th—Monday	Day Senior Registration (only students in attendance 1st semester 1946-47)	8:30 to 12:00 M
February 11th—Tuesday	Day Junior Registration (only students in attendance 1st semester 1946-47)	8:30 to 12:00 M
February 12th—Wednesday	Day Sophomore Registration (only students in attendance 1st semester 1946-47)	8:30 to 2:30 PM
February 13th—Thursday	Day Freshman Registration (only students in attendance 1st semester 1946-47)	8:30 to 2:30 PM
February 14th—Friday	Day Advanced Standing and Returning Students not in attendance 1st semester 1946-47	8:30 to 12:00 M
February 14th—Friday	Day—New Freshman Registration of New Graduate Students	1:00 to 4:00 PM
February 15th—Saturday	Necessary Program Changes	8:30 to 12:00 M
February 17th—Monday	Day and Evening Classes Begin	8:30 to 12:00 M
February 22nd—Monday	Washington's Birthday, A Holiday	
April 3-5th—Thurs., Sat.	Spring Recess	
May 17th—Saturday	Freshman Scholarships Examinations	
May 30th—Friday	Memorial Day, A Holiday	
June 9-12—Monday	Final Exams	
June 11th—Wednesday	Commencement	
June 18th—Friday	Seventh Semester Academic year 1946-47 Ends, Day and Evening Classes.	

ITSA to Decide on Health Insurance

Most important item to be discussed at tomorrow's ITSA meeting will be the proposed introduction of a hospital insurance program. According to ITSA President John Makielski, the health insurance program will be one of the most important matters to come up before the ITSA this year. He has urged all IIT students to see that their opinions are brought forth at the meeting, tomorrow at 4:30 p.m.

At the meeting, which will be held in the East Dining Room, SU, it will be decided whether the health program will be organized on a compulsory or voluntary basis. As the program has been outlined at the present time, it will provide payments for both surgical and medical hospitalization. Premium payments have not as yet been finally determined.

The Flavor's All Yours...

when you smoke
PHILIP MORRIS!

CLEAN, FRESH, PURE
America's FINEST Cigarette!

First smoke in the morning or last one at night—the *flavor's ALL yours*, when you smoke PHILIP MORRIS! And *here's why...*

There's an *important difference* in PHILIP MORRIS manufacture that makes PHILIP MORRIS *taste better—smoke better*—because it lets the **FULL FLAVOR** of the world's finest tobaccos come through for your *complete enjoyment*—**clean, fresh, pure!**

Try PHILIP MORRIS—you, too, will agree that PHILIP MORRIS is **America's FINEST Cigarette!**

**NO OTHER CIGARETTE
CAN MAKE THIS STATEMENT!**
Of all the leading cigarettes, PHILIP MORRIS is the *only* cigarette with an *exclusive difference* in manufacture—*recognized by eminent medical authorities as being to the advantage of those who smoke!*

CALL FOR PHILIP MORRIS
ALWAYS BETTER... BETTER ALL WAYS

Techawk Five Meets GW in First Home Tilt

Cagers Lose to U of C In Overtime Battle, Drop Opener to Loyola

George Williams College will provide Illinois Tech's cage competition tonight in the Techawks' first home game of the season and their third tilt of the 1946-47 campaign. The game will be played at the Valentine's Boys Club and will begin at 5:30 p.m.

Last year the Scarlet and Gray met the GW crew in a home and home engagement. The Techmen dropped the first of the two contests, losing 45-43 in the last minute of play. In the second meeting of the two fives, Illinois Tech swamped the South Siders at Valentine's gymnasium by a 61-42 count.

Maroons Beat Techawks

The Illinois Tech cagers dropped their second basketball tilt in as many starts when the University of Chicago handed them a 50-48 defeat in an overtime contest last Saturday in the Midway fieldhouse. After trailing through most of the game, the Techawks' offense began to click, late in the second half. Ray Murphy, Tech guard, dumped in a field goal in the last 38 seconds of the game which knotted the count and threw the contest into an overtime. At the end of regulation time, the score stood at 43-43.

In the overtime period, Murphy, who was high scorer for the Techawks with ten points, and Glen Neiswander put the Scarlet and Gray out in front with a pair of free throws. The Maroons matched the Techmen point for point, and in the last four seconds of the extra frame, Les Dietlebaum, U of C center, pushed in the winning field goal.

In the first half, the U of C cagers dominated play and by the intermission built up a six point margin, leading the Techmen by a 25-19 count. In the second stanza, however, Tech continually stole the ball, with the second string crew playing the greater part of the period.

ILLINOIS TECH				CHICAGO			
	fg	ft	p		fg	ft	p
Neiswander	1	5	0	Zim'ern'a, P.	5	2	3
Cohn	2	1	0	Podulka	0	2	4
Smart	2	3	1	Zim'ern'a, D.	0	1	0
Fleck	0	3	2	De Graw	7	5	2
Oldshue	2	1	4	Campbell	0	0	0
Behrens	1	1	1	Fons	1	0	0
Swanson	0	0	1	Dietlebaum	2	1	3
Murphy	3	4	3	Deemer	0	0	2
Melick	0	0	2	Freeark	2	0	5
Dalley	0	0	1	Sharp	0	0	1
Grable	2	4	5	Gutehick	0	0	1
O'Gearey	0	0	1	Riley	1	2	5
Schm'elfenig	0	0	0	Ellman	0	0	2
	13	22	21	Flanagan	0	1	1
					18	14	34

Tech Bows to Ramblers

Illinois Tech's basketball squad opened its 1946-47 campaign on a

Athletes Delight



Photo by Halstat

RENAISSANCE—Athletes about the campus were deeply moved last week when three "artists" set upon the fieldhouse in an attempt to match the color of Alumni Hall. Although costs were reportedly small, the gesture was appreciated by the students since it is apparent that the building program still includes a "fieldhouse."

strictly sour note last Tuesday evening as the Techawks went down to defeat before a power-laden Loyola University quintet.

While the defeat was by no means unexpected, in view of the quantity and quality of cage talent assembled by the north siders, the complete inability of the Scarlet and Gray to generate any sort of offensive threat during the second half must have startled even the Ramblers.

Despite the last-minute loss of game captain Norm Hankins due to illness, Coach Sonny Weissman's charge opened strongly and contrived to remain within striking distance throughout the first period. Johnny Dee, former Notre Dame star, and Jack Dwan, who was the nation's sixth highest scorer last season, were completely handcuffed and accounted for a bare seven points through their joint efforts.

However, Center Jack Kerris, Loyola's 6'6" center, used his height to best advantage in rebounding for 14 points, and paced the Ramblers to a 32-24 intermission lead.

As soon as the whistle blew for the second half, the roof fell in on the Techawks. The details proved far too gory for recital here, but summaries disclose that IIT scored 16 points over the 20-minute span, while Loyola counted 52 points.

Surprisingly, Loyola's highly-touted first string, which is expected to bear the brunt of the Ramblers' climb into the big time cage prominence this year, was not the decisive factor in this decisive splurge. Aside from Kerris, none of the starters tallied as many as ten points. It was the tremendous reserve strength which Coach Tom Haggerty poured into the game during the closing minutes which provided Loyola with a new scoring record and which dealt Tech one of the most decisive defeats ever suffered.

Cindermen to Have Meeting

A meeting of all former trackmen and those interested in trying out for the 1947 track team will be held tomorrow in 301 Machinery Hall at 5:00 p.m. It is imperative that all men who intend to participate during the winter season be present at the meeting. Workouts will commence Thursday in the University of Chicago fieldhouse.

Coach Roy McCauley hopes to whip together a better than average squad since it is rumored that the student body is overflowing with potential track material. McCauley will have to rely on this as a source of talent since only two men from last year's squad are returning.

Honor I Invites "A" Men to Transfer

All Honor A men of former years, when IIT was Armour Tech, have been invited to transfer membership to Honor I society. A committee headed by Bill Smart will contact all Honor A men.

Honor I also plans to work in conjunction with the Dance Club and Dance Band to sponsor informed dances to be held in the Student Union after home basketball games.

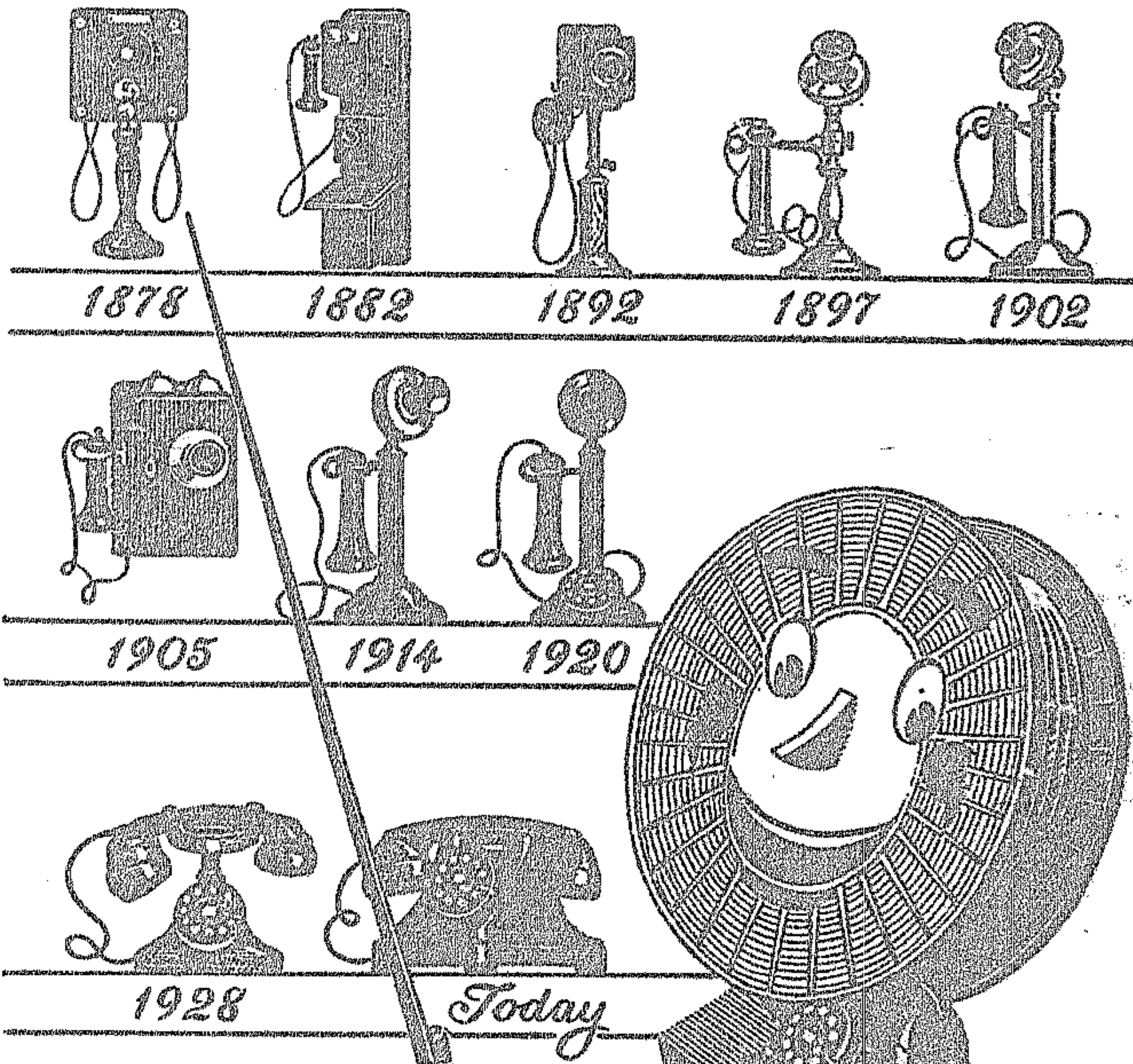
With 28 undergraduate actives on the campus this semester, Honor I membership is at an all time high. Junior and senior major letter winners of all sports are eligible for election to Honor I.



The recent defeat that Loyola handed the Techawk cagers was, in a way, a fortunate thing, for it revealed a number of glaring weaknesses which must be remedied if the Techmen are to equal some of the great records chalked up by squads of the past four years. Ignoring the fact that there seemed to be a lid attached to the Tech basket, the lack of rebounding, passing, and all around team play was disappointing to rooters who expected that the squad, unquestionably composed of some of the finest individual players ever to represent IIT, would be welded into a sound, smooth working unit after six weeks of work.

Students who did not participate in the pep rally held last week missed a chance to have a hand in the first of a series of events to revitalize Tech's pre-war student spirit. Students who worked on the pep committee are to be congratulated for the work they did in putting the affair over. The burning of the Loyola dummy in Ogden Field climaxed the eventful program and undoubtedly brought back memories of past events to some of the "older" students. What we need are more rallies like the one last week.

Entries are being accepted for the intramural basketball, ping pong, and bowling tournaments. All teams must be entered before the Christmas holidays in order that play may begin the first week in January. Teams of eight men are required for the basketball tournament, with one man designated as captain. Bowling teams will have five men on the roster with one of these men named as captain. The ping pong tournament will feature both singles and doubles competition and a student may participate in either or both divisions. All entries are to be dropped in the intramural box in the Student Union lobby or left on the intramural desk in Weissman's office. Rules governing play in these meets will be discussed at meetings which will be held soon after school starts in January. Entreers are urged to watch the intramural bulletin board for further announcements.



"How many of 'em can YOU remember?"

"Some of the old-timers must look pretty strange to you. But not to me . . . I made all of them.

"I started making telephone apparatus of all sorts in 1877... did such a good job that I was asked to join the Bell Telephone team 'way back in 1882.

"Telephone users get more and better service for their money in this country than anywhere else in the world. I've helped to make this possible by efficient manufacturing of uniform, high quality equipment . . . by volume purchasing of all manner of supplies for the Bell Telephone Companies . . . by distributing to them, through my warehouses in 29 principal cities, the telephone equipment I make and the supplies I buy . . . by skillful installation of central office equipment. That is a huge job . . . especially now when the demand for telephone service is at an all-time peak.

"Remember my name . . . it's Western Electric."

Western Electric

A UNIT OF THE BELL SYSTEM SINCE 1882

Join in... have a Coke



BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY BY
COCA-COLA BOTTLING CO., OF CHICAGO, INC.

Serve
Coca-Cola
at home

5¢

Prof. Schommer Pledges Chosen Lectures Aiche By Rho Epsilon

Professor John J. Schommer, director of Placement and professor of Industrial Chemistry, was the guest speaker at the AICHE meeting held last Friday morning. The essence of Professor Schommer's talk lay in the definition of education and its function when "the student leaves school."

It was pointed out by Professor Schommer that an education should teach the student to think and develop in him the ability to do productive work through the experience gained in the laboratory and classroom. Differing from the theory of Chancellor Hutchin of the University of Chicago that a well educated person, if he is a great thinker is productive even if he is a liability to the community, Schommer believes that an education should enable one to be an asset to his community and country.

After graduation success depends greatly upon the individual's personality, aggressiveness, character, and the desire to improve his status quo. The fact of the matter as revealed by Professor Schommer was that the causes for dismissals in the engineering and business fields were due, in sixty-eight percent of the cases, to character traits, and only thirty-two percent to technical deficiency.

Another important factor in the engineering field is the ability for one to get along with people, organizing ability, and ingenuity. A job is what you make of it and, to progress, it is vital that courses supplementary to one's position be taken, e.g. time study, advertising, and production management. Professor Schommer concluded his talk with the suggestion for all engineers to read the following books: Foundations for Human Engineering, and Elements of Human Engineering, both by Gow. These books are available at the Institute's library.

Dean White's office has issued the following notice: "The Institute provides bulletin boards in various places throughout the campus for the posting of all notices and announcements. The posting of such material on walls or in any places other than these bulletin boards is not authorized and, therefore, will not be permitted."

Alpha Sigs Trounced In Interfrat Opener

Pi Kappa Phi trounced Alpha Sigma Phi 36-15 in the interfraternity opener last Wednesday.

The Alpha Sigs who recently won the IF football tournament lacked the ability and finesse to crack the Pi Kap defense. The Pi Kaps with their superior height controlled the rebounding at both backboards to completely sew up an otherwise outmanned and outplayed Alpha Sig team. Hallinan paced the victors with eleven points.

fg ft p
Rittenhouse, g .0 0 5 Van Ness, f1 1 2
Reinecker, g .0 1 5 Hallinan, f5 1 3
Donohue, c1 2 1 Dunkular, c2 1 2
Smith, f0 0 2 Belke, c2 1 1
Brown, f4 0 0 Benton, g1 1 1
Hottenger, f0 1 2 Sacks, f2 0 1
Shuldes, g0 1 0 Pottenger, g1 0 1
Parker, g0 0 0 Fensil, g1 1 1
Referees: Deakman, Thompson

Dec. 11, 7:00—Prætorians vs. Daedalians
Officials: Sigma Alpha Mu, Delta Tau Delta

Dec. 17, 7:00—Theta Xi vs. Rho Delta Rho
Officials: Daedalians, Prætorians

Dec. 17, 8:15—Delta Tau Delta vs. Sigma Alpha Mu
Officials: Pi Kappa Phi, Alpha Sigma Phi

Rho Epsilon, honorary electrical fraternity, has chosen its pledges for the coming term, according to James Brophy the pledge master. Of the many men interested in joining the group the following ten have been pledged: David Pivan, George Roggenkamp, Herbert Sachs, Bert Toppel, Thomas Marchwick, Frank Lidd, Leonard Kuthroff, Walter Koelle, Pete Kloga, Jerome Friedman.

Since Rho Epsilon's purpose is to facilitate experimenting on the part of its members, the background and interest in the application of electrical theory was a prime factor in the choice made. Half of the men chosen already have their amateur radio license and almost all served as some type of electrician in the armed service.

The pledge period has begun and will continue for a period of four weeks. Among the pledge activities will be collecting the member's signatures, carrying a code buzzer, and doing some constructive work in the fraternity's quarters. Each pledge will also be required to construct some electrical apparatus of his own choosing.

NAVY NOTES

APPOINTMENTS AND STAFF CHANGES

Lieut. (jg) Magnus W. HJALMARSON, USNR reported for duty as instructor from several years sea duty, mostly an Engineer Officer. Last duty was the U.S.S. TOPEKA.

HUCKINS, Herman C. Chief Yeoman, USN reported for duty after 4 extremely interesting years at Punta Arenas, Chile, or the Horn, at the south end of South America.

OLIVER, Ernest W. Yeoman First Class reported for duty from Naval Air Station, HOUMA, La.; prior to that he was stationed in the Pacific with the mobile communication unit.

SHAPLEY, Earl L. Chief Yeoman, USN was detached for duty in Detroit near his home.

SMITH, Charles R. Yeoman First Class USN was transferred to the Separation Center at Great Lakes where he is to be discharged from the Naval Service.

PERSONALS

1st Lieut. Robert A. HEATH, U.S. Marine Corps has a new boy a few weeks old. Both father and son doing fine.

PROGRESS

SANGAMO Attack Teacher for instruction in elements of Anti-Submarine Warfare is completed in Alumni Hall and instruction started during drill periods for upper-classmen.

Carpentry work on the JORDY Trainer, a device for instructing Officers of the Deck and Signal Officers in tactics and ships maneuvers, has started.

GENERAL NEWS

Visit of Lieutenant Colonel SNYDER, USA and talk on Universal Military Training.

Eta Kappa Nu Pledges Eleven Top Electricals

At a recent meeting of Eta Kappa Nu, EE honorary, the eleven new pledges met the actives, four of whom have just returned from war service.

Grant Hansen, Vice President and pledge master, announced a revision in the usual pledge schedule. Among refinements are: no more carrying of BX cable, greatly reduced memory work, and a system by which pledges have all the necessary information on their fraternity in note book form.

This pledge group is the largest in the last five years. Members of the group are Bill Gauthier, Tom Marchwick, Dudley Budlong, Joseph Partlow, Lester Haskett, Warren Sommers, Lewis isher, Gail Fleisher, Charles Hill, Felix Rosenthal, and William Parks.

Rusinoff, ME Prof. Completes Second Book Written Within Year

Samuel E. Rusinoff, assistant professor of mechanical engineering at IIT has recently completed the second of two engineering textbooks written in 1946.

The first text, "Practical Descriptive Geometry," is Rusinoff's effort at clarification of the misconception of descriptive geometry, a need recognized in his twenty-five years in shops and industry. The book is a departure from previously written texts in that it is self-explanatory, with each chapter presenting the fundamentals of a phase and containing sufficient questions to make self-instruction possible. Although it is prepared on a technical school level, it is usable for college instruction, as a reference book, or for self-instruction.

The second text, "Practical Shop Mathematics" was designed for general instruction purposes and for reference by machine shops, tool rooms, drafting rooms, inspection departments, and gage laboratories. It offers a comprehensive survey of mathematics from elementary math (arithmetic) through algebra, geometry, trigonometry, logarithms, and the slide rule. It is useful for all practicing engineers as it gives computations without the aid of calculus.

The text has been prepared on a technical institute level and may also be used in evening high school courses, or non-credit evening college courses. Rusinoff sees it as an excellent method of presenting refresher courses or as a method of self-instruction. The entire text gives comprehension on a level that does not require an extensive mathematical background in that it may be used and understood by a person with only high school mathematics or by a skilled mechanic or draftsman with even less formal training.

FRATERNITIES, Sororities

(Continued from page 3)

SIGMA ALPHA MU

At the last meeting of Sigma Epsilon Chapter the fraternity was fortunate in securing as its distinguished guest Mr. John J. Schommer.

He gave a very interesting lecture on football; Schommer is thoroughly qualified to speak on the subject, as he has played All-American.

The hayride was a huge success and the social committee deserves much credit for a job well done. The next affair will be given by the pledges and promises to be quite interesting.

Allen Moss was elected prior to replace Sheldon Levy. The change was due to the fact that the expiror is now a graduate student, and Dean White's office objected to any graduate student holding office.

The tennis team, consisting of Bob Zeitlin, Jona Cohn, Marks Levy and Harvey Weinstein triumphed over Triangle, Rho Delta Rho, and Delta Tau Delta to win the Inter Fraternity tennis championship.

THETA XI

Parents, friends, alumni, the Mothers' Club and members were present to enjoy the homecoming last Saturday. Starting in the early afternoon, the guests were entertained at cards and games, with light refreshments being served. About five o'clock the Mothers' Club arranged a buffet supper consisting of a great variety of food. After the repast Robert Hardy led the Theta Xi Choir in the singing of fraternity songs. More musical treats were then presented in the form of a concert by Brother Salvatore Terranova and his orchestra. The remainder of the evening was spent with dancing in the basement amusement room, ping pong in the converted study room and card playing in the

ARF Gage Laboratory Serves Industry; High Precision Needed

by S. A. Shaheen

One of the lesser known divisions of the Armour Research Foundation is the Gage Laboratory, which calibrates block gages for manufacturers. The lab equipment, which is valued at \$100,000 can measure anything from ten-millionths of an inch to forty-eight inches.

The research and lab technique required in performing this testing necessitates meticulous care. Even air conditions must be closely controlled in the lab to maintain the required accuracy of the instruments, said Mr. Kogut, head of the laboratory. The equipment requires that the air be held at 70 degrees F., have a relative humidity of 50 percent, and be filtered to remove dust. Dust and humidity cause the highly polished calibrating equipment to become abrasive, lessening the accuracy obtainable.

A slight variation in heat, such as a man's hand touching an electric gage, in five seconds can cause a five-millionths of an inch variation, which requires twenty minutes for the gage to return to normal. The allowance permitted the gage laboratory in 10 percent of the manufacturer's allowance—5 percent for wear and 5 per cent for tolerance. This is usually two-millionths of an inch.

A functional gage measures only one dimension and is made to fit perfectly the contour it measures. For example, if a key slot on a breech block is to be measured, there would be a functional gage solely for the purpose of finding if the key slot meets specifications. This is done by moving the gage into the key slot until a point on the gage touches a point on the slot. By using this method, interchangeability of parts is possible, without which mass production would be extremely difficult, if not impossible.

As an indication of the scope of the laboratory's work, consider the inspection of a 37 mm anti-tank gun. This small bore gun alone requires 193 different gages; costing about

\$15,500. The assembler of the gun must have two complete sets on hand at all times, with replacement gages for those that wear more rapidly than average. Each parts manufacturer must have at least two sets of gages for each part made. Since there are 150 plants making parts, it is important to have parts that fit.

The gages are made of C-58 to C-62 Rockwell hardness steel, and have to be rechecked after from 10,000 to 40,000 uses. All identification is on the handle of the gage so that there is no chance of error. These gages are more expensive than die tools: a small gage costs \$275, and a medium sized one about \$375.

The calibrating equipment is periodically checked by measurement of known lengths in a precision block set. These blocks are so accurate that, when two are put together, they are inseparable by pulling, and measure exactly the sum of their individual lengths. A secret process and components are used in their manufacture to minimize the effect of temperature. In turn, these blocks are checked against a master set in order to guard against incorrect measurement resulting from wear.

Included in the laboratory equipment are two projecting machines. An irregularly shaped object may be projected on a screen, magnifying it 62½ times. From the screen, the angle of inclination of the different planes and other information may easily be had. The space between the lead and wood of a pencil, when projected on the screen, appears to be 1/16th of an inch.

Lucy Flower Grads Guests of Home Ecs

The Home Economics Club will entertain the February graduates of Lucy Flower Technical High School at a tea in the department tea room Wednesday afternoon, Dec. 11 at 2 p.m. A part of the afternoon's program will be a tour of the various labs and classrooms in the downtown center showing the visitors the equipment and other facilities available to women following Home Economics Curricula. Miss Mary Louis Mojonner, head of the department and Miss Ruth Severud, instructor, are in charge of the committee.

Recently two speakers from the Home Economics department, Miss Betty Skinner and Miss Mary Ann Cahay, both alumni of Flower Tech, visited their alma mater and spoke on the opportunities afforded women at Illinois Tech.

Betty Pace Addresses Forum Club Meeting

Miss Betty Pace, a youthful representative of the "Student's for Federal World Government" was the guest speaker at the Forum Club's Friday meeting.

Miss Pace, formerly a student of Northwestern, has dropped her studies to devote full time to the cause of world government.

Commenting briefly upon the work of the various organizations striving to maintain international peace through world government, Miss Pace set forth the idealism, principles, and theories of the world federalist. The lecture was followed by a lengthy question and answer session, in which the issue of world economics (rather than the broader concept of world government) seemed to be the only topic of interest to the engineers.

Beta Omega Nu Pledges One, Initiates Six Men

Beta Omega Nu, interfraternity honorary, initiated six men at their meeting last Wednesday.

The new initiates are: Edward Zietz and George O'Brien of Phi Kappa Sigma, Al Bruckner and John Rittenhouse of Alpha Sigma Phi, Joseph Hassler of Delta Tau Delta, Michael Dassovich of the Phi Delta Theta, and Lorenz Schmidt of Triangle.

lounge. A very congenial atmosphere prevailed throughout the evening with many persons meeting friends they had not seen during the war years. There was much to be discussed.

Royal Carlson, co-chairman of the social committee, is working out the details for a Christmas party scheduled for December 20. Plans presently formulated include chubby Otto Arnston portraying the role of Santa Claus. Otto will distribute presents purchased by the fraternity to the members' dates. President Paul Boggess announces: "We will strive to achieve the same success with this party as we did with the recent Homecoming. All members on the campus are invited to the affair. Bring your dates."

PI KAPPA PHI

Dean of Students Jack F. White will be guest speaker at the annual Pi Kappa Phi Founders Day banquet to be held tonight in the Chicago Bar Association building. Dean White will talk on fraternity activities, and future plans for fraternities at Illinois Tech.

The banquet will be sponsored by the IIT chapter of Pi Kappa Phi, Alpha Phi, and the fraternity's Chicago alumni chapter.

1947 Integral Seeks Writers

There will be a meeting of all persons interested in writing for the 1947 Integral Thursday, Dec. 12, at 5 p.m. in the Integral office, according to Jim Brophy, co-editor. The Integral office is located on the fourth floor, second entrance, Chapin Hall.

Positions are open for all types of writers and all data will be supplied the writers so there will be no "digging" for facts. At the meeting the newly-formed staff will decide upon several important questions about the new book. All persons experienced and inexperienced, will be welcomed, said the editors.

Several deadlines have been set. All seniors who have had their pictures taken for the graduate section at Marshall Studios must have the proof they select back at the studio before the Christmas vacation. Also the graduate's questionnaires should be turned in to box 76 in the post office before the end of this week. If these two deadlines are not met, the staff cannot be responsible for omissions from the graduate section.

Foreign Students Start New IIT Organization

Making foreign students feel more at home by aiding them in adapting themselves to the American way of life, and promoting their sport and social activities on the IIT campus, are two of the main objectives of the recently organized IIT Foreign Students Association.

At the first meeting of the group Bruce Clark Mendonca, Brazil EE, was elected president. Other officers elected by the 26 members are, vice president, Branko Beck, Venezuela; secretary, Fernando Santos Rocha, Brazil EE; social and sports chairman, Almaula Chitaranjan, India, Ch.E. and treasurer, Pierre Krakowski, Belgium Arch.

Movies titled "Young Uruguay", "New Era in India" and "Venezuela" will be shown at Foreign Student's next meeting to be held Friday, December 13 at 5 p.m. in the Lounge. There will be members of the association present from each of these countries to elaborate on the films. All students and members of the faculty are invited to attend.

Riccardo's Restaurant will be the scene of a dinner for the members of the association which will be held Friday, December 20. All interested in attending should contact Miss Cohen in 305 Chapin for complete details.

Any foreign students in the evening division interested in the group or any of its activities are requested to contact Mr. Elmquist in the Registrar's office Monday, Wednesday and Friday evenings between 6 and 8 p.m.

Frosh to Meet Advisors

There will be a meeting of all Freshmen with their advisors in the auditorium from 12 to 1 p.m. on Thursday, December 19, according to Ed Arends, head of the Student Advisors. The object of the meeting will be to discuss any problems and answer any questions on student activities and organizations which have arisen during the past term.

CAFETERIA

(Continued from page 5)

least equal to prices of similar establishments except in the case of milk. Milk, the subject of most objections, is one cent higher on a half-pint or two cents on a pint, than George Williams or North Park. The price of milk at a profit making organization, however, is three cents higher on a half-pint or six cents on a pint.

In an effort to improve service, John Makielski, president of the ITSA, stated that the ITSA has placed a complaint box in the cafeteria for a period of two weeks and all are asked to take time to place criticism, both good and bad, in the box which is located near the door.

IIT ASCE Chapter Holds Informal Get-together

The IIT chapter of the American Society of Civil Engineers held their first informal fellowship smoker of the term, last Friday night in the Student Union Lounge.

One of the highlights of the party was the pledging of seven men to Chi Epsilon, National Civil En-

gineering honorary fraternity. The informal get-together also featured music, cards, bull sessions and refreshments opens to all ASCE members.

Expressing extreme satisfaction at the enthusiastic turnout, president Henry Hawry said that he hoped that it would be possible to have more such gatherings in the near future.

Phi Lambda Pledges Chosen

Pledges to Phi Lambda Upsilon, honorary chemical fraternity, can be distinguished by the iron pipe in their hands, the flask around their necks, and the large replica of the fraternity key dangling at their sides.

These men were present at an examination held last Wednesday

Greetings From the Registrar's Office!

The Registrar's Office urges students to get their mid-term below-grade notices now. Over 600 notices are left, maybe you are the lucky one!

evening in Chapin Hall. After the exam, refreshments were served to the actives and pledges.

TRIPLE SMOKING PLEASURE

ALWAYS Milder

BETTER TASTING

COOLER SMOKING

Chesterfield
GARETTES
LORETT & MYERS TOBACCO CO.

Triple check Carol

THEY SATISFY

ALWAYS BUY CHESTERFIELD

ALL OVER AMERICA - CHESTERFIELD IS TOP