

THE IIT FACULTY as a whole is one of the best in the country, most people of this school would agree. The average qualifications of its members are far above those of many other institutes. However, there still is a minority which is far below the rest in qualifications; so far below, in fact, that its presence detracts from the excellence of the others. It seems a shame that such a condition should exist.

Now it's true that everywhere you go you will find some people who are not quite as good as the rest. Those I am referring to are a very small percentage of the whole—they fall far, far below the caliber of the average IIT instructor.

Is anything ever done to correct such a situation? I think not. Year after year these same incapable men continue to teach the same courses—and they don't improve with age!

Such individuals deprive the student of the full opportunities which should be offered him here; they are actually robbing the student of his time and money. Now many teachers will come to these professors' defense and say that the full responsibility of learning rests on the students. They will also exclaim that the good student will learn the material well regardless of who is teaching the course; likewise the poor and lazy student will fail no matter who the professor is.

The above statements are partly true. However, the entire responsibility does not rest on the student. Only about three-fourths of it does. The other fourth rests upon the professor. If the student was entirely responsible for his learning, why have schools at all? Why have people come from all parts of the city to obtain knowledge which they could as easily obtain at home?

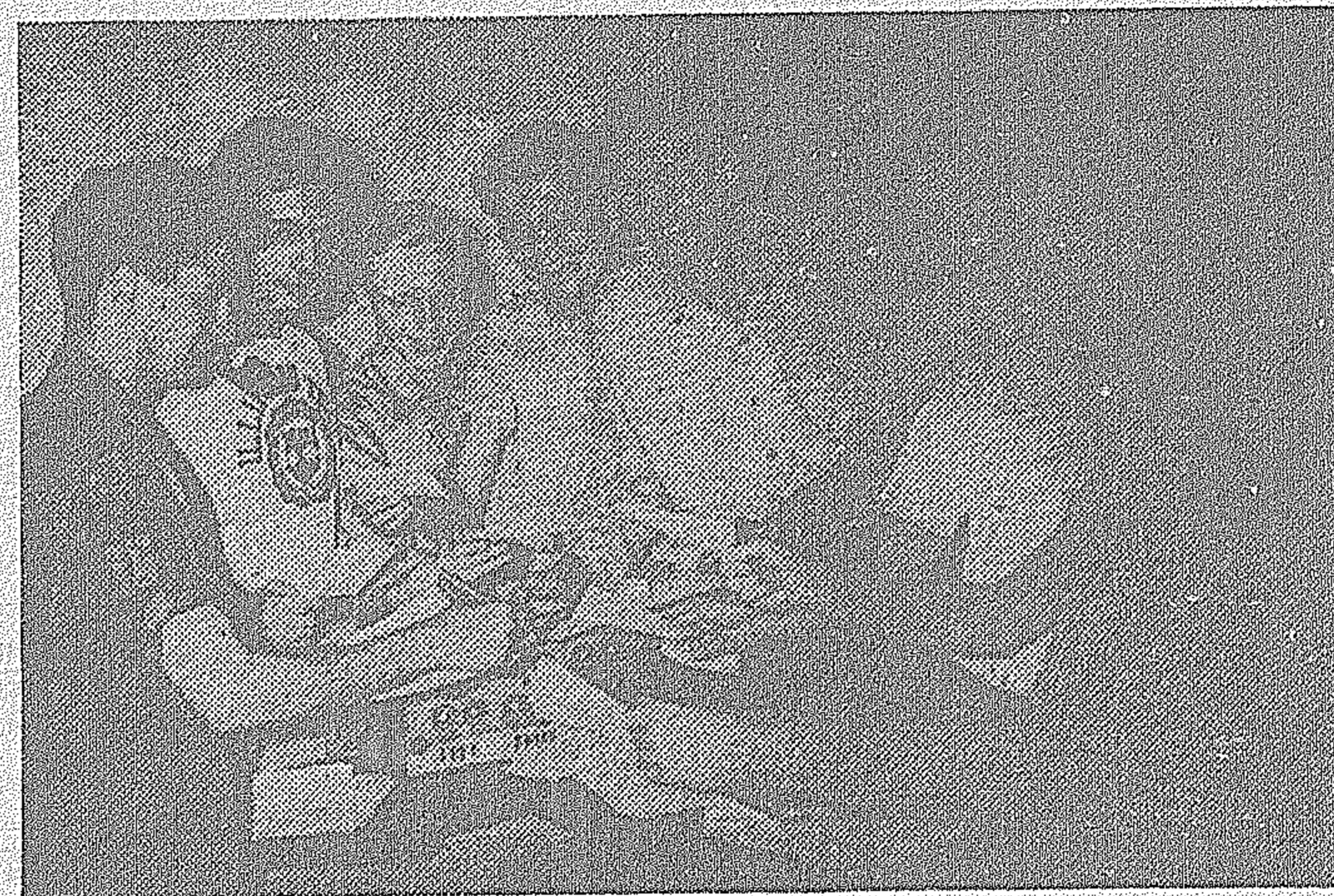
The answer is simple. The teacher must be present to interpret the facts for the student. He must point out the way for those who wish to learn. Unfortunately, some students let the professor do all the work. That is not the correct thing to do. But the majority still do their own work; they look to the instructor for guidance in those things not fully explained in the text.

I have seen teachers so lazy that they would try to hedge out of any work in the classroom. They have dismissed their classes early in order to have more time for themselves. Others have been too lazy to grade their tests accurately. They think that any grade is all right to give, just so it causes no hardship on the instructor.

It's indeed interesting to note that as a general rule the best professors are teaching those courses in which there is plenty of teaching competition. That is, where there are several teaching the course, the caliber of the instructor is generally much higher than it is when there is only one man teaching a subject. Upon investigation, this does not seem so very strange after all.

(See AS I SEE IT on Page 6)

Co-ops Cast Ballots



TURNING IN VOTES—Several members of the Co-op Bookstore are turning in their ballots in last Wednesday's election. At the left is Don Arenson, the retiring president. Art Uhler, who replaces him, is shown next to Arenson.

Art Uhler Elected President Of Co-op; Replaces Arenson

Arthur Uhler was recently elected president of the Engineer's Cooperative Bookstore. He will replace Donald Arenson, the retiring president.

The election was closely contested due to A/S Larry Johnson's efforts to win the office. He managed to get the first two ballots thrown out claiming that they were counting a proxy vote.

Postwar Influx At IIT Is Seen

Applications for enrollment at IIT will multiply sixfold a year after this war, Dean Linton C. Grinter predicts. Even next semester the enrollment will show an increase over this term; the days of falling enrollment are nearing a close, he said further.

This estimate of postwar registration is based upon the increased flow of letters and questions by telephone which the Institute has been receiving in the last few months.

"We're approaching close to the end of the war. Night school students and industrial workers are now looking forward to new peacetime pursuits. People will be returning to college in ever increasing numbers from now on," he remarked.

Grinter believes that all colleges will be practically "overwhelmed" with applicants after the war. People will take a much bigger interest in education than they had prior to the conflict. IIT, together with other educational institutes, will find its facilities strained by the huge influx of applicants.

Under the new circumstances, Illinois Tech will of course be entitled to raise its entrance standards considerably and insist on having those students with the very highest en-

See POSTWAR on Page 6)

rollment. The chairman, Arenson, then took a fourth vote between Uhler and Johnson, the other candidate Robert Kovnat being eliminated on the third ballot, and this time Uhler won by a majority.

It was then a controversial point whether it was necessary to have a majority or a plurality to win. Since the Co-op constitution does not provide under these conditions, it was decided to refer to Robert's Rules of Order which indicated that a majority was necessary. Uhler, therefore, won the office.

The Co-op also voted unanimously to change the present dividends of eight per cent to the new rate of six per cent. The money which will be realized from the two per cent reduction will be used for rewarding those who give their time waiting on customers in the store. This reward will probably be in the form of a banquet.

Three new members were elected to the board of directors. They are: A/S Larry Johnson, Leonard Brown, and Donald Arenson.

Armour Players to Plan Future Plays

After being inactive for the past nine months, the Armour players are planning to present a play.

According to Ed Schaschl the group became inactive after presenting their last play, "The Drunkard." Lack of interest among the students and the small number of actors was the main reason for the period of inactivity.

As yet, no definite play has been decided upon, although one of the officers suggested a mystery play. On Wednesday of this week Ed Schaschl, Walter Grengg, Herman Mirochnich and Shirley Sexon will meet to decide the type of play to be presented.

"Those interested should see me," says Schaschl.

William Graf Elected to Presidency of Glee Club

A/S William Graf was elected president of the glee club at the last rehearsal Thursday night. A/S Robert DeBoo and Angelo Caliendo are to be the secretary-treasurer and manager, respectively.

Honor System Favored by Only About One-fourth of Students

Twenty-seven per cent of the students at IIT favor the honor system, according to a poll conducted by *Technology News*. There were 67% per cent opposed while 6% were indifferent.

The answers to the poll indicate that of the 67% against, 20% are in favor of the idea, but are opposed to the way it is running at IIT. The other 80% of those against it completely opposes the idea of any honor system.

ITSA Rewrites Constitution

A special all school assembly will be held Wednesday, August 23, at which the student body will have an opportunity to express its views on the new ITSA constitution. The assembly will be held at 11 a.m. in the south campus auditorium. The newly revised document was presented at last Wednesday's meeting of the ITSA Board.

Don Hedeon, president of the ITSA, will officiate at the assembly. The other members of the ITSA Board will also be seated on the auditorium platform. According to Hedeon, the object of the assembly is to enable students to suggest any new changes, and to discuss those which already have been made.

Suggestions brought forward at the meeting will be referred to the ITSA constitutional committee, which will act later on the proposals. The committee will probably hold a meeting later with the rest of the ITSA Board to draw up the final draft of the document.

A final student vote on the constitution will be held after the constitution has been drawn up in its final form. The election will be of the same type as regular ITSA elections at the beginning of the term. A simple majority will be required for ratification, since no other provision has been made in the constitution.

The part of the constitution concerning the athletic awards will definitely remain the same, however, the committee states. These rules were drawn up by Honor I after careful consideration. The fact that some provisions are not being enforced now can be blamed directly on the wartime conditions, the committee also remarked.

One of the principal changes made in the constitution has been the insertion of several statements of policy concerning the honor system and Honor Board. Most of the other changes are concerning minor details of wording.

The ITSA constitution committee members are: A/S Doug Snyder, chairman; Dean Charles A. Tibbals, Viola Sievers, A/S Earl Danielson, A/S Tom Kilgariff, A/S Bob Negele, and A/S Ray Olson.

James Fanaras, IIT Vendor, Sells Candy For Fifteen Years From Same Wagon

Fifteen years of service: that's how long James Fanaras has been selling candy and ice cream on IIT's campus. Besides that, he has used the same cart for the entire length of time.

Fanaras, more commonly known as "Jim", never eats candy or ice cream, but does smoke cigarettes which he rolls himself.

Lack of Cafeteria Music Is Explained

Student indifference and difficulties in securing men with adequate experience to operate the equipment seem to be the two most important reasons why music has not been played during the lunch hours.

Another problem is that of finding someone who has a free period prior to the lunch hour so that the equipment may be warmed up and made ready for use, stated one of the group's officers.

In this poll *Technology News* questioned 67 students. A typical opinion of those opposed to the system is the one made by Norman Boron. "If it was a perfect system, then it would be fine. The way it is now is bad. Teachers do not trust students. Students are not honorable enough to warrant such a system." Another opinion expressed by Robert Horwitz is: "The honor system is useless. As it is working at IIT, no student will report another for being dishonest. It is now only an obligation upon students to write a few meaningless words at the end of a quiz paper."

Stanley Kuklewieg, a new freshman, is one of the minority group favoring the system. He states: "I believe the system is working surprisingly well."

Sherman Dushkes represents a typical student who dislikes the present system but favors the idea. He states, "The principle of the honor system is one which should be upheld, but I think the signing of the pledge is a bit childish. This pledge does not stop anyone from cribbing on an exam. More stress should be placed on the principles of honesty in writing quizzes than on the signing of a meaningless profession of honesty."

Students Invited to All Star Luncheon

Alumni and students have been invited by the Junior Association of Commerce, to take part in a joint luncheon to be given for the "College All Stars".

One or more players will be seated at each table so that everyone attending the luncheon will have an opportunity to meet a number of the players.

The speakers for this luncheon will be Arch Ward of the Chicago Tribune, and Lynn Waldorf, the head coach of the All Stars.

The luncheon will be on August 24, at 12:15 at the Morrison Hotel. Tickets will probably be about \$1.90 per person, and those interested should contact the Alumni Office before August 18.

204,000 Meals to Illinois Tech Students Is The Record Of Andrew "Andy" Keeney

Andrew "Andy" Keeney has served 204,000 meals since his appointment as manager of IIT's dining rooms. Prior to his appointment last May, Andy worked as chief chef.

He started at Illinois Tech about a year ago at the armory cafeteria when ASTP was there. In January he came to the IIT dining room. When asked about his job Andy said, "I have always liked working in a kitchen, in fact no other type of job could quite satisfy me."

Andy regularly puts in a 14 hour day, getting to work at 7 a.m., leaving at 9 p.m. Among his various duties Andy does the purchasing of all the food, plans all the meals, sets the prices, and does some of the cooking.

He has been a cook all his life and has been a chef for the past 15 years. He formerly served 12,000 meals a day as head chef in the Crotty Bros. industrial plant.

Link Is Abandoned For Lack of Need

Due to present conditions, the Link has been discontinued indefinitely. According to A/S Tom Kilgariff, the supply of the fairer sex has been so large lately that it has been unnecessary to use a date bureau here. However, if enough students would like to see it continued, they may express their opinion by talking to Kilgariff or writing to the feature editor of the *Technology News*.

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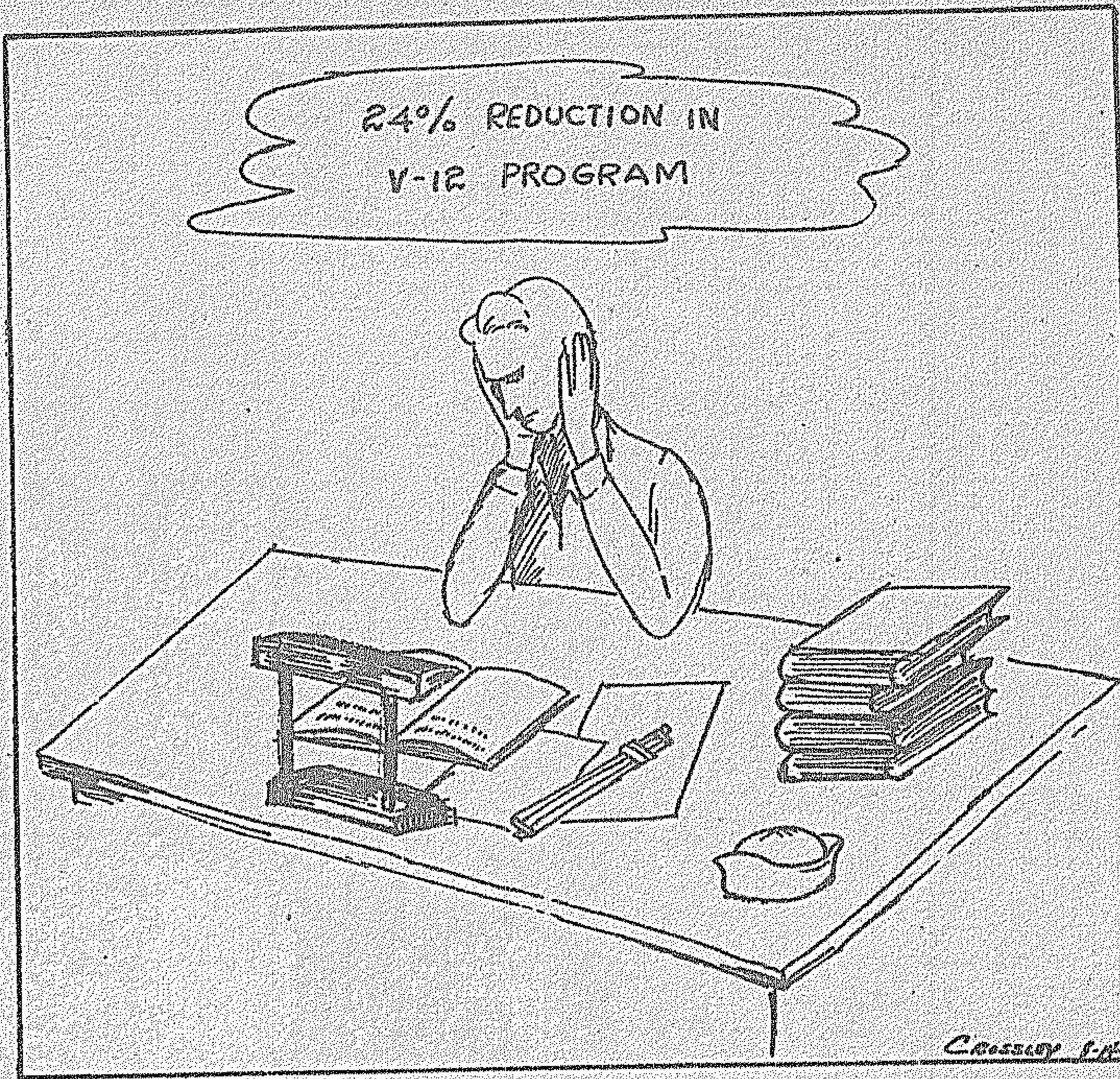
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No Time to Loaf



The gears have been oiled; the pistons have been cleaned; a fine head of steam is up and we're ready for another week's work. So with dispatch and decorum and without further ado we present this week's gob of gush.

The first serving is a torrid tale of morbid mischief concerning A/S Jack Marsh, A/S Jack Hoffman, and A/S Carl Johnson. The episode occurred a week end ago when this motley crew decided to spend the night at the Stevens Hotel. After having gotten comfortably in bed, they were aroused from their repose by an indignant phone call from the room clerk who wanted to know why they were occupying a room without being registered! Unable to give a satisfactory answer to this most pressing question the trio concluded that a hasty exit was in order. Hoffman, however, decided that he must leave some memento of the occasion, so he left his shorts! I guess you might say that was the long and short of it.

We pass now from the ridiculous to the sublime. This item is to announce that Hugh Knobloch, senior mechanical, is now the proud father of a bouncing baby girl. We always knew he was man enough to do it.

Let us introduce you to the biggest bunch of bold boobies on the campus—the senior class. A few weeks ago we made mention of one Ernie Klimzak, a JUNIOR, who was sporting a lovely job of lip lettuce. Mr. Klimzak at this writing is still wearing his face decoration. If he can get away with this flagrant defamation of Tech tradition, orchids to him—and onions to the senior class!

We have a new name for A/S Tom Kilgariff. He should be known as "the personality kid". His actions at the last ITSA meeting are our motivation for this remark. Every time the photographer for the Integral was ready to snap a picture, Tom would coyly move into view. Result: Five pictures taken; five shots of Kilgariff. (May we have your autograph, Clark?)

"The way to a man's heart is through his stomach," that's what the seamen(?) of Quarters 7 must have told the girl friend of A/S John Voda. At any rate she keeps them well supplied with home made pastry goods. It's a good stunt if you can do it.

Our north side informer reports on the doings of Bob Kasnicka, Hank Koci, John Sachs and Hugh Christian. Seems the boys were introducing Elias Hain to Chicago's naughty night life. These men are certainly qualified to do the job as evidenced by the places to which they lured innocent Elias. Among the spots they hit were the Trocadero (south State), the Playhouse, and Liberty Inn (600 N. Clark). Liberty Inn as you all know is on a par with another Chicago club which, while the Better Business Bureau won't allow us to plug it, presents a beautiful girl every five minutes (all of her). The boys are now looking for anyone else whose education along these lines has been neglected.

The golden green banana goes to Bob Loomis this week. While Bob was energetically filling A/S Allan Kukral's petition for the recent elections, sad sack Allan was having a date with Bob's best girl. Things must have certainly come to a pretty pass. Sad, sad.

Wonder where Mort Paul gets his dates? At a recent Civil beach party big boy Mort (height 6 ft., weight 215 pounds) brought a little chick who was barely 5 feet tall and tipped the scales at slightly under 100 pounds. Tis said they made a lovely couple (couple of misfits).

Credit Chalmers Marquis, freshman Civil, with really having a system. His girl is a Cadet Nurse at St. Luke's Hospital and has to be in at eleven o'clock on date nights. Now eleven o'clock is really an early hour, and naturally Chalmers can't waste the evening can he? Of course the girl friend thinks he goes home to study, but we know better than that. Hmmm?

Before closing here's what might be termed a bed time story for your enjoyment. Sol "always prepared" Yanoff is the main character. Seems that Sol keeps sheets and blankets in back of his car "in case he runs out of gas on the road." At least that's his story. Sounds kind of fishy to us—don't know what anyone would be doing on a lonely road with the gas shortage, especially with blankets in the car!!!

The old shovel is starting to creak and groan, so that's all the digging for now. Look for us next week for we may be digging out the skeleton in your life.

—MONK

"New" ITSA Constitution

Next week the ITSA will hold its meeting in the auditorium to make room for the volume of students when it discusses the proposed "new" constitution submitted by the constitution committee last week.

Let us look at the proposed "new" constitution that the ITSA would like the students to get excited about. An examination of the "old" and the "new" reveals that the committee, after a great deal of thought and labor has done two things.

1. They wrote into the proposed document the amendments made to the old constitution in the past.

2. They revised no more than a dozen more or less insignificant sentences and added a couple of equally insignificant paragraphs.

This seems like a very minor accomplishment for a committee of six active intelligent men. Perhaps the revisions proposed are sufficient to meet the needs of the ITSA. However, if this is the case, then why go about the process of reapproving an old constitution, when amendments would serve the same purpose? In any event, if the meeting of the ITSA is held as scheduled, students will have an excellent opportunity to voice their opinions either personally or through their respective representatives. It will offer a chance to those who have disapproved of the ITSA and its methods in the past to come forth with some really constructive criticism. This opportunity to REALLY revise the constitution should not be past over lightly by the student body.

Man Of The Week—

Businessman Bob Pogoff Keeps Integral and Co-operative Books

Robert Pogoff, junior electrical, is a conscientious and hard working student who finds time to act as business manager of both the Integral and Co-op.

Bob is a native Chicagoan and graduated from Hyde Park high school. While in high school, he was a member of the honorary junior and senior mathematical groups and the physics and chemistry clubs.

When Bob graduated, he went to work for an electrical firm, the David Gordon Company. He was employed there for five years. After he had obtained some experience he began making installations and doing trouble shooting by servicing equipment in other plants made by his company.

In the spring of 1944, he took two ESMWT courses at IIT. One course, electric motors and controls, was taken in line with his work and an-

other in inspection was taken on his own initiative.

After being exposed to electrical work for so long, Bob decided to attend college and learn all he could. He started in at Wilson Junior College and completed a year there. He then transferred to IIT and came here in July, 1943.

Bob is now a member of the Radio club and Math club. He is a member of his departmental society, the AIEE, and is now a pledge to Armour Eye.

For all his work conducting the business of the Co-op and Integral, he has kept a 2.9 average.

His main interest outside of electrical engineering is mathematics. Bob hopes to take further courses in mathematics after he graduates.

—ROBERT MISCH



... Techman Talking

By F. K. RICHTER, Professor of Modern Languages

Before coming to IIT, I was the head of the language department at Doane College, Nebraska. I found it a very pleasant place, but, since the school and town are small, there were no facilities or opportunity for doing research in German literature. Neither was there any chance to study painting, which is my chief hobby.

...As a result, I began casting about for some other position in a large city. I have been in nearly all of the large cities in America, such as New York, Los Angeles, and Chicago; and I decided to come to Chicago. I chose Chicago both because it is a nice place to live, and it offers me every opportunity for research and painting. Several universities, excellent libraries, and the Art Institute are all close at hand.

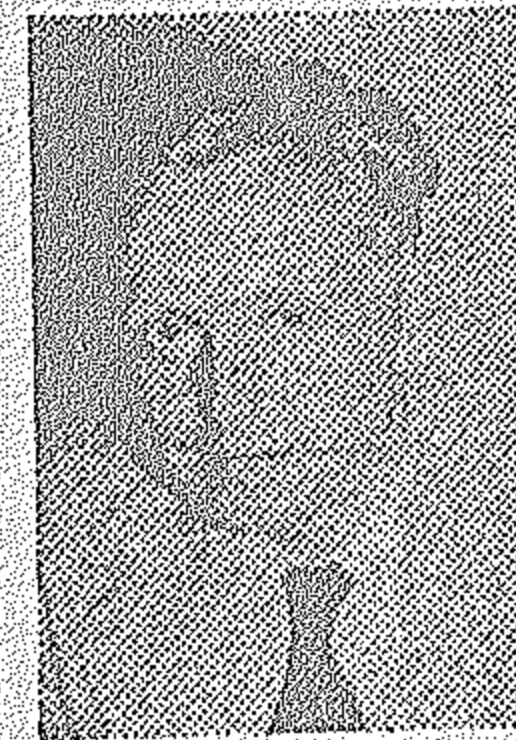
I specifically chose IIT because of the young and energetic quality of its administration and language department. I was also intrigued by the gloomy viewpoint with which some of my former colleagues regarded this school. I had been warned that the student body was unruly, undisciplined, and a bunch of roughnecks.

I have found the students to be almost the contrary of what I was told. All my other expectations were more than fulfilled. I have done more research work than ever before; I have taken art courses continuously in all phases of painting since my arrival and have had some pictures exhibited.

Besides the other advantages of a large city, I have come into contact with all types of people. Especially interesting to a modern language teacher is the fact that the student body here is a conglomeration of all types and nationalities.

Since coming to Chicago I have become more and more interested in special problems, especially those in this neighborhood (south campus), and have become a member of the National Association for the Advancement of Negro People.

I consider my environment here to be interesting and inspiring. It doesn't matter to me whether the buildings here are in imitation Gothic style or not.



On The Ball

Every evening of the week there is noticed on Ogden Field a group of students in various styles of practice uniforms playing the great "American sport," baseball. This gathering of students is officially known as the Illinois Institute of Technology varsity baseball team. It is the only sport, major or minor, which is active this summer. The only reason for its being active while the other sports remain dormant is that the members of the team love the sport for the sport itself, rather than the awards and recognition involved.

It all started a short time prior to the end of last semester's successful baseball season when Bernard "Sonny Weissman, coach of the team, let it be known that he would be willing to continue coaching the squad through the summer semester IF they showed interest. He also stated that they would not receive awards for this effort as the athletic letters for baseball had already been distributed. One thing he did not inform them of was that he himself was continuing without the usual financial contribution given to the coaches.

Answering his call were eleven men whose spirit of athletic rivalry and competition was greater than their natural desire for things easy.

Campers COMMENTS

(EDITOR'S NOTE: This column is for expression of ideas from readers. Letters containing not more than 250 words will be printed. Anonymous letters will not be considered for publication, although a writer's name will be withheld from publication if desired. The Managing Board reserves the right to select and edit the letters to be printed).

LETTER OF THE WEEK: Integral Encouragement
The Integral Staff should be complimented for the coverage they are giving the navy men and other activities.

I personally know that they have been hampered by lack of workers and co-operation. In spite of this, they are producing

Collegiate World

At Lawrence College in Appleton, Wisconsin, the MAA's of the V-12 Unit will inspect the girls' dormitories! All the usual corners and crevices will be inspected. However, the girls are assured that drawers and closets will be left unopened!

A reporter for the College Eye, campus paper of Iowa State Teachers College, estimated that over 100 cows are necessary to supply all the milk used on the campus in one day.

Seniors of Stevens Institute of Technology are making life miserable for the freshmen. A committee of seniors composed several rules to be adhered to by the frosh. The "rules" stipulated that: Freshmen must know and carry on their person at all times the Freshman Handbook, wear black socks, refrain from smoking, etc. Failure to observe these rules resulted in a loss of a pair of pants. The score at the end of the day was: Lost by the freshmen, forty pairs of pants; lost by the seniors, six pairs of pants.

From Lawrence College in Appleton, Wisconsin, comes this interesting item: While redecorating the college president's office, the superintendent of the painters took an fancy to the desk and removed it to his own office. Later questioning disclosed that he was disappointed because he had no secretary to go with the desk!

Carnegie Institute of Technology lays claim to a part of Hollywood. One of its alumni, William Eythe, will play opposite Anne Baxter in forthcoming production, "The Eve of St. Mark."

—A/S ALAN KUKRAL

a book which should be noteworthy for candid pictures, cartoon work and drawings. Don Arenson is too little appreciated for the time and effort he is putting in on the yearbook.

There is only one suggestion I could make for an improvement. I would like to see a comprehensive index of all fraternities, societies, clubs and other organizations on the campus. It is very exasperating to have to thumb through past volumes to find the organizations that one is affiliated with.

With this innovation, I feel that the new Integral should well be one of the best produced at IIT.

Not a member of the Integral Staff

The 4B's Answer

It seems an editorial appeared in the last issue of *Technology News* concerning the past elections. However, a greater portion of the article was directed against the 4B class, and some rather challenging and unfounded statements were made about this class.

In the first place, the question was brought up as to why the 4B class was better than the other classes in that they could hold their own elections. If the editor would have investigated the matter to any length, he would have found out that the present 4B class was given special permission last semester by the ITSA to hold their own individual class elections since they were an off-term class and yet were so strongly interested in being represented in student affairs.

Secondly, the editor made some strong remarks stating that many of the officers merely regarded their offices as honorary titles and did not perform their duties to the full extent. The present 4B class is one of the most active classes on the campus and its officers are represented by some of the leading and most active men on the campus.

Henry Koci
President, 4B class

IIT Inquiring reporter

QUESTION

Why did you pick the engineering field and if you had the chance would you change?

SHIRLEY SEXSON, JUNIOR MECHANICAL: I chose the engineering field because the prospects interested me. There is so much more future, in my opinion, in engineering than there is elsewhere. I believe that, basically, engineering is the foundation for present and



future living. Although my preparatory training was not for engineering particularly, I found that as I went farther along my interests were of a more technical trend.

JOSEPH GOLDBERG, JUNIOR MECHANICAL: I have always believed that an engineer was the only professional man who was given the opportunity to exercise all of his physical and mental facilities. He must not only know structures and their properties but people and their habits and quirks. In choosing engineering as my future profession I do so to make my mark in life by contributing in some small way to the betterment of the science of machines and man

DAVID A. ZAWOLKOW, JUNIOR MECHANICAL: For years I heard about the romance of engineering, the chance to better humanity, the opportunity to make a place for myself (to say nothing of the practical financial possibilities). So, here I am at IIT—no romance, no humans, and most of all, no money. However, the possibilities for making a place are outstanding.

HENRY HAWRYLEWICZ, FRESHMAN CIVIL: The idea of becoming an engineer came to me while in high school in my technical drawing class. Investigating the matter I found that engineering, as a profession, would appeal to me very much. The work in itself is very interesting and the engineering profession is an enormous field in which one can steadily develop his abilities which could be utilized for the betterment of society. No, I don't think I would change.

A/S J. BYRON FANSELOW, JUNIOR MECHANICAL: Aeronautical engineering first held my interest and it was with this in mind that I first started college. Upon entering Armour with the navy I had to take my first two years of mechanical before entering into the aeronautical option. Mechanical engineering then became my first interest and I decided I'd have more opportunities in the navy by taking this as my major.

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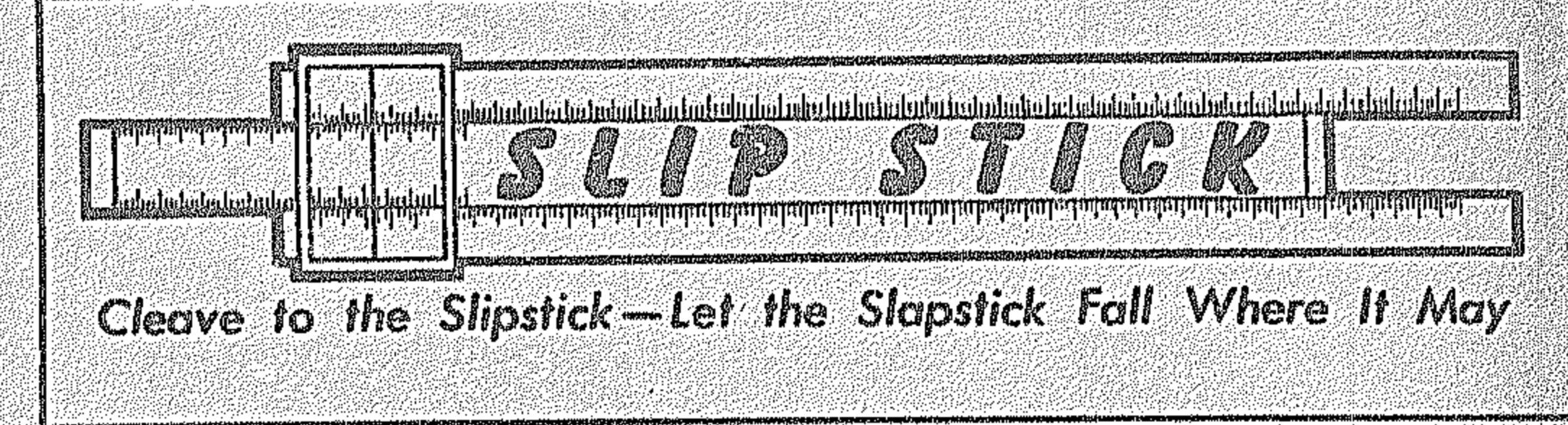
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Slapstick Notes

PROF. WALTER HENDRICKS, head of the English department, will run for the Illinois General Assembly from the fifth district . . . **MARION LINDSTRAND**, physics secretary, worked for several months as a draftsman in a south side war plant before coming to IIT . . . **A/S NED GRABLE**, sophomore aeronautical, is a distant cousin of **BETTY GRABLE**, the Hollywood movie actress . . . **PAUL O. RIDINGS**, director of the News Bureau and soon to be associated with one of the leading advertising firms of the country, could not decide when he finished high school whether he was to be a mathematician or a journalist . . . **DEAN LINTON GRINTER'S** daughter won a scholarship to the University of Chicago . . . The above-mentioned **PROF. HENDRICKS'** daughter won a scholarship to Smith College . . . **MRS. HELEN STEVENS'** daughter was awarded a scholarship to Mount Holyoke . . . **A/S GEORGE FAIRMAN** was plant superintendent of a dairy in St. Clair, Mich, before his enlistment in V-12.



It's too bad I have to give you the same old jokes every week, but I promise you that some day soon we shall have a new joke, and what a day that will be. So for now let's get back to the trash.

"Oh, what a strange looking cow!" exclaimed a sweet young lass from the city. "But why hasn't she any horns?"

"Well you see," explained the farm lad, "some cows are born without horns and never have any, and others shed their's, and some breeds ain't supposed to have them at all. There's a lot of reasons why some cows ain't got horns, but the reason that cow ain't got horns is because it ain't no cow—it's a horse."

—IIT—
OVERHEARD IN A GRAMMAR SCHOOL CLASS ROOM:
"Johnny, do you want to leave the room?"
"Say, teacher, do you think that I'm standing here hitch hiking?"

—IIT—
With all the shortages in the line of liquors and the production of inferior grades, I give herewith all the interests of the engineer at heart a technical report received from a research laboratory on these products.
The specific products tested were pints of whiskey.
The procedure is to connect 20,000 volts across the pint:

1. If the current jumps it, the product is poor.
 2. If the current causes a precipitate of lye, manganese, arsenic, pig iron, slag, and clay, the whiskey is fair because it has a substantial base.
 3. If the whiskey causes the current to retreat back to the generator the whiskey is good for it has substantial resistance, capacitance, and non-admittance.
- For an excellent whiskey we, I mean that is they, have not devised a test.

—IIT—
A/S X: Let's sit in the parlor.
Marion: No. I'm too tired. Let's go out and play a quiet game of tennis.

—IIT—
Cigarette Note:
Did you hear about the man who smoked so many Camels, that his nerves got so steady that he couldn't move?

—IIT—
Philosophical Note:
A simple way of escaping hysterical arguments, when you are asked, "What do you think about the war?" is to exclaim, "Extraordinary!"

—IIT—
"Is this the Salvation Army?"
"Yes."
"Do you people save wayward women?"
"Yes."
"Fine! Save me two for Saturday night."

—LARRY VYTAUTAS CERNAUSKAS

V-12 VETS

A/S PETE KINNUNEN

A/S Pete "Hashmark" Kinnunen shipped in, in 1939. He took "boots" in Newport, Rhode Island. "Hashmark" took his first assignment aboard an old "tin can". The ship was a four-stacker, commissioned during World War I.

His "can" was in Brazil on the fateful Sunday morning of Dec. 7, 1941. Soon following the report of the insidious Japanese attack on Pearl Harbor, came orders for "Hashmark" transferring him to Panama. After a brief stay in Panama he was again moved, this time back to the States.

After his arrival in the States, "Hashmark" was ordered aboard a "tin can" that was commissioned about a week before. Soon after, "Hashmark" and his new ship set sail on the high seas, destination: South Pacific.

"Hashmark" and company, had their first taste of real battle at the same time the U. S. went on the offensive, namely, Guadalcanal.

After the battle of Guadalcanal came Bougainville, Rabaul, the Gilberts, and Tarawa. "Hashmark" witnessed the sinking of the U. S. S. Chicago, in the Solomons. He, personally, was in charge of a small boat that rescued many American lives from the Pacific, after this sinking.

At Rabaul "Hashmark" witnessed the first Japanese attempt at night bombing of surface craft aided by the use of flares. It was at Rabaul that his ship was subjected to a bombing attack by 120 Jap planes.

Another change in orders set the compass whirling to points north, the Aleutians and Alaska. Pete, and crew, then took on the Japs in the battle for Kiska and then Attu. During the landing at Attu "Hashmark" and crew stood off shore and shelled the Jap shore installations.

"Hashmark" applied for V-12 out at sea and waited a year until his orders to report came. At the time his transfer came through Pete was a machinist mate first class.

From San Diego he went home for a few days leave and then reported to IIT. "Hashmark" is now quartered at George Williams where he is P O of the second deck.

—A/S CHARLES SMITH

dis & data

Conducting the largest and most advanced Signal Corps training program in the Sixth Service Command has been one of Illinois Institute of Technology's most impressive contributions to the nation's war effort.

A total of 4316 Signal Corps men were trained in pre-radar and code work by Illinois Tech from May, 1942, to August, 1943, in courses lasting from ten to twelve weeks.

Although turning out the smallest group of graduates, focal point of the program was a course in ultra-high frequency techniques. Upon completion of that course, men were ready to learn the real secrets of the miraculous war weapon, Radar, and were eligible for study at advanced Army schools.

Largest group of trainees consisted of 2414 men trained in basic pre-radar, while 797 were taught advanced electronics. Six hundred and forty-six men studied code and radio procedure at Illinois Tech's radio operators school, for which the Institute took over the Northern Illinois College of Optometry.

—dis & data—

Did you know . . .
That Paul G. Andres, professor of electrical engineering, was the man who designed and installed equipment and trained the operating personnel for the Indiana State Police Radio System?

That Dean Fred A. Rogers, currently the oldest faculty member in point of service at Illinois Tech (he joined the faculty in 1896), was demonstrating radio in Chicago at the same time Marconi was pioneering the field?

—dis & data—

Few Techmen may know it, but Illinois Tech was the birthplace of the modern radio tube.

Lee DeForest, one of Chicago's early radio broadcasters, was doing experimental work on Tech's south campus just after the turn of the century. It was from there that he made one of the first broadcasts in the city—to the old Lakota Hotel, then located on 31st Street.

At that time, a radio tube consisted of only two elements—a filament and a plate—and was used only for receiving sound. But during his experimentation, DeForest discovered that by adding a third element—a grid—the tube could also be used for sending sounds, such as music and speech. The discovery resulted in his invention of the triode vacuum tube, now basic for radio and electronic devices.

FOUR Techawks Tie GW at Six All

Evers, Heikkenen Hurl Entire Twenty Innings

For twenty innings the Illinois Tech baseball team and the George Williams nine fought without success to break a 6-6 deadlock on Ogden Field last Saturday afternoon and evening.

Both A/S Gene Evers and A/S John Heikkenen went all the way pitching twenty full innings. The game lasted over four and a half hours.

The closest either side came to winning was in the last half of the twentieth inning when lead off man A/S Bob Stidham got a hit into left field. Evers then flew out to right field. A/S Bill Burns then drove Stidham to third base with a well placed hit. A/S Dick Holstrom hit a fly to right field which was caught. On the attempt to score from third after the catch Stidham was tagged sliding into home plate.

Illinois Tech					
	AB	R	H	BB	
Burns, 2b	10	1	3	1	
Holstrom, b	10	1	2	0	
Schimmelpfenig, lf	9	1	3	0	
Furst, cf	10	0	2	0	
Clemens, ss	7	3	3	1	
Fanselow, ss	1	0	0	0	
Lichtman, 1b	8	0	3	0	
Marini, rf	9	0	3	1	
Stidham, c	9	0	2	1	
Evers, p	9	0	1	1	
Total	82	6	22	5	

George Williams					
	AB	R	H	BB	
Biesman, lf	7	0	1	2	
Heikkenen, p	9	1	3	0	
Bell, 3b	8	1	2	1	
Poynter, rf	8	2	2	1	
DeClark, 1b	8	0	1	1	
Krawczak, ss	9	1	1	0	
Murphy, cf	9	1	2	0	
Weidner, c	8	0	1	1	
Wright, 2b	3	0	1	0	
Boyle, 2b	1	0	0	0	
Herstein, 2b	1	0	0	0	
Byzak, 2b	4	0	0	0	
Total	75	6	14	6	

G. Williams	010	100	040	0	6
Illinois Tech	301	010	100	0	6

The Techawk baseball team had a fairly time defeating the 87th Street Marines 8 to 2, last Wednesday evening.

Allowing only three hits, pitcher Bob Stewart chalked up another win to his credit.

Leading hitter of the game was A/S Bill Burns with two hits in three times at bat. He also batted in three runs.

Marines	010	001	0	2
Illinois Tech	010	241	*	8

Chief Ellis Is Temporarily In Fearey's Post at G.W.

Chief Specialist Elias Ellis has been stationed temporarily on the George Williams campus, taking over the duties of Chief H. D. Fearey.

Fearey is in the hospital, and it is not known when he will be released. Ellis was formerly at the Minneapolis naval air station before coming to the Illinois Tech V-12 unit.

TECH TIME TABLE

All items appearing in Tech Time Table will be those which are scheduled with Dean Tibbals. No other items will be used.

- MONDAY, August 14**
 Tau Beta Pi, West Dining Room, 7:00 p.m.
 Pi Kappa Phi pledge meeting, 405M, 5:00 p.m.
- TUESDAY, August 15**
 SUBC, Weissman's Office, 5:00 p.m.
 Rifle Team, 108C, 5:15 p.m.
- WEDNESDAY, August 16**
 Pi Kappa Phi, 405M, 5:00 p.m.
 Math Club, 105C, 11:00 a.m.
 Alpha Sigma Phi, Old Town Room, Sherman Hotel, 6:00 p.m.
 Interhonorary Council, 108C, 11:00 a.m.
 Voting for Integral Queen, S U lobby, 11:00 a.m.—2:00 p.m.
- Because of the flood of requests for special liberty for navy men to attend week day functions, Dean Charles A. Tibbals has released the following statement: "By agreement with the command of the navy V-12 unit, there will be no extra curricular events involving navy trainees scheduled for evenings after 6 o'clock except on Wednesdays and week ends."

Taking Aim



CRACK SHOTS—Three members of the newly formed rifle team are shown during a practice at the IIT rifle range. They are (reading from left to right) Jack Schmidt, A/S Frank Crossley, and Leonard Brown.

Honor I Will Pledge 6 Men

Honor "I", honorary athletic fraternity, will pledge six men the last week and a half in August, announced Norman Schmitz, president of the organization.

The men to be pledged and their sports in which they earned their major letters are:

- Norm Hankins—Track
- Roy Churan—Wrestling
- Don Alberts—Wrestling
- Bill Burns—Baseball
- Bob Steward—Baseball
- Roy Schimmelpfenig—Baseball

All of the above pledges to the "I" were outstanding athletes on their respective teams.

These men will attend a pledge party Wednesday evening, August 23, which will highlight their pledge period, said Schmitz.

Arrangements have been so made as to let the pledges finish their pledge period in time to join the present actives on a yachting cruise, Saturday evening, September 2.

The present active members and officers of Honor "I" are the following: President Norm Schmitz, Vice President A/S Warren Furst, Secretary-Treasurer A/S Tom Kilgariff, and active members A/S Tom Gavin, A/S Don Lange, A/S Glen Neiswander, Ogden Clemens, Henry Koci, Bob Kasnicka, A/S Whitney Pearson, A/S Bob Lichtman, and A/S Vic Mieszkowski.

Rifle Team and Club Now Independent

Negotiations for the separate continuance of the rifle team without the Rifle Club have finally been carried out, announced A/S Larry Johnson, manager of the rifle team.

In a meeting of representatives of the two factions with Bernard Weissman as moderator the following agreements were made, stated Johnson.

The Rifle Club is to have charge of the maintenance of the range while the rifle team is to take care of the equipment.

Continuing in the same status as in the previous semesters, Professor John Mangold will be the sponsor for both the team and the club.

Charles E. Martin, instructor in welding, will teach all those interested in learning how to shoot under the National Rifle Association.

The present stock of thirteen thousand rounds of ammunition belongs to the rifle team who will loan some to the club until their order for ten thousand rounds of ammunition comes through.

All students who are interested in joining the team should get in touch with a member of the squad and find out when they are to shoot to pass the entrance qualifying score, Johnson states.

The twelve members with the highest scores will represent IIT in the various matches which are held.

TECH SHORTS

by TOM KILGARIFF

When the navy softball tournament was initiated last semester, a group of fellows in Quarters #7 got together a team which was called 7B. After winning several games it was evident that this team was better than the ordinary. They had the spirit and the material with which to win the navy softball tourney. While their efforts were energetically directed in this line they remained undefeated. Then in the short space of a week, the whole situation was changed.

Both their pitcher, A/S Len Slazinski and their short-stop, A/S Ned Grable wrenched their legs and since then have been unable to play. With the loss of such valuable players a shakeup had to be made. A change of this sort weakened a previously balanced team. It was no wonder that the 7B team fell easy prey to several of the quarters teams. If the team can restore some spirit in itself, then it still has a chance to win the tourney, but if things continue as they are now, it is doubtful if they can even stay in their present position.

Due to a mixup at the printers a week ago last Saturday, the fact that A/S Warren Furst, captain of the baseball team, hit a home run was omitted. Since it was partly my fault that this happened and since Furst had already been criticised by the local dirt column for his batting abilities, I thought it would be advisable to make a separate notation of this athletic feat. From now on the sports copy practice will italicize any mention of home runs by "Slugger" Furst.

Now that everything is settled between the rifle team and the Rifle Club, the team is slowly starting to get in shape. Several of the men are slowly picking up their records. This is evidenced by some of last weeks scores, where Jack Schmidt shot a 190 and Leonard Brown totaled a 183. These scores can be used as a scale upon which new men can find the relative merits of their own ability.

All those interested in making the rifle team should contact one of its members through Bernard "Sonny" Weissman's office. It should be of interest to those who consider doing so, that the qualifying test will be taken in the following manner. Two targets are to be used. The applicant will shoot a total of forty shots into each target. These are to be ten shots in each of the four standard shooting positions. The men with the best twelve scores make the team and have access to all the equipment and facilities of the organization.

Upset of Junior Mechs 2-0 Is Surprise of Week's IM Softball

Seven games were played on the IM schedule last week. Highlight game of the week was the 2-0 upset of the Junior Mechs by the Senior Chems. The Junior Mechs copped the IM championship last semester.

Navy Softball Now Led by 6A

After defeating 3A, 15-2, in their only game of the week, 6A watched the other teams in the navy softball tournament defeat her closest rivals and leave her in first place at the end of last week. It was an otherwise quiet week up to Thursday evening.

Then, last Friday night, the whole intramural top blew off. At the beginning of the evening there were three league leaders, 6A, 4B, and 7B. 6A was idle on the topsy-turvy night.

Team 4B had a game with an underdog 2E. Chester Zdamowicz, of 2E, pitched a one hit game against the mighty sluggers of 4B to win a 4-0 victory. The big inning was the fifth when Bob Freund led off with a single, Byron Fanslow, the reluctant MA, got a walk and Bill Duvall rapped out a timely triple to score both runners. The leading hitters were Bob Freund, with three to his credit, and J. W. Maybaum, with two, out of a total of nine for the whole squad.

Bill Arn of 2D also pitched a neat game against 7B allowing only four hits. The pitcher also helped his cause along by conking a homer. The final score of this game was 8-5. 7B also lost earlier in the week, to 4B, score: 12-7.

These two defeats have now pushed 6-A on top. Highlights in the 6A victory over 3A, to the tune of 15-2, were the return of Warren Furst to the lineup and the stellar pitching of Tommy Gavin. It is sad to report that the veteran 6A player, Mort Miller, is still looking for his second hit this season after innumerable attempts at the plate.

The up-to-date standings in the softball lineup are:

6A	9	2
7B	8	3
4B	8	3
5A	8	3
4A	7	4
5B	7	5
2B	6	4
7A	6	5
2C	5	6
2E	4	7
2D	4	7
1A	3	7
3A	4	10
6C	2	10

Richard Larson, Former Editor, Weds in Buffalo

Richard Larson, *Technology News* editor two semesters ago has finally settled down. On August 3rd, Dick was married to Frances Broberg in Buffalo, New York. Frances is a Chicago girl and had met Dick through the Link.

Larson is now working with a chemical corporation in Buffalo. Prior to this, he had worked with the same company in Tennessee and Virginia.

Besides his work as editor of Tech News, Dick was president of Pi Delta Epsilon, national collegiate honorary journalism fraternity; secretary of Tau Beta Pi, national engineering honorary fraternity; captain of the tennis team; vice-president of the Western Society of Engineers; a member of Phi Lambda Upsilon, national chemical fraternity and a member of Honor I, IIT athletic honorary.

Don Felsecker Resigns as President of Dance Club

A/S Don Felsecker has resigned as president of the Dance Club because of additional work in his graduating semester. The president's duties have been given to A/S John Wright, who acted as assistant dance instructor last semester.

Students May Enter in IM Horseshoes, Tennis

All those interested in entering the tennis tournament and/or the horseshoe tournament are urged by Henry Koci, intramural manager, to sign the entry list in the IM office in the Student Union building.

As soon as all the entries are made, rules will be discussed at a meeting. No participants will be allowed to enter the tennis tournament if they have earned a major or minor award in the sport.

Fraternities Will Begin Baseball for This Term

Interfraternity baseball games which are held each semester, will begin this week, according to Stanley Lapin. Exact time of games has not as yet been determined, but it will be posted on the bulletin board.

Fencing Discontinued for Summer, States Weissman

Bernard "Sonny" Weissman announced today that the fencing team has been discontinued for at least the summer. "Sonny" implied further that unless there was a marked revival of interest in the sport would be dropped from the IIT sports curricula for the duration.

IIT War II Vets Form Society

Veterans of World War II at Illinois Tech have gathered to form an organization.

As yet the function of the society has not been determined. But a committee of six is to determine membership qualifications and the type of club to be formulated. The committee consists of William Killingbeck, Sidney Mayster, Rohf Simons, Robert Czeropski, Bernard Karsh, and William Rivkin.

The members decided to elect temporary officers at the next meeting on August 18. At that time the committee will report on its investigations and a name will be chosen for the organization.

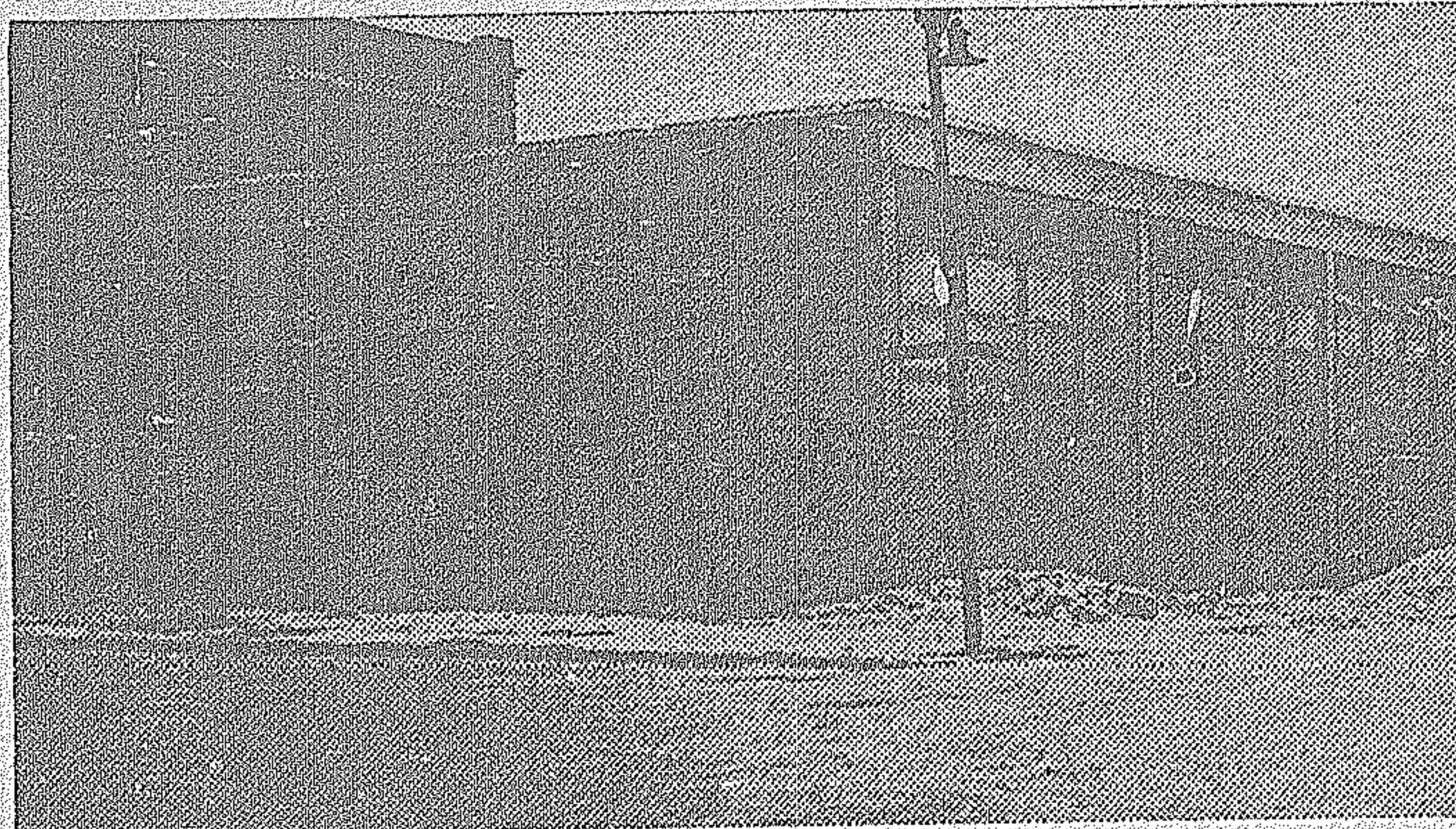
At present there are sixteen members, but according to Dean C. A. Tibbals many more veterans have registered for next semester, and are consequently prospective members.

Coast Guard Band To Entertain V-12

Final arrangements for securing the coast guard dance band to play for the navy "Happy Hour" to be given August 25 have been completed. According to Chief F. S. Godfrey the band will bring with them several stars from one of the Chicago radio stations. A technicolor film of task force maneuvers will also be shown.

The "Happy Hour" that was presented on the Armour campus on August 4 was repeated last Friday at George Williams College. The program presented at these times was entirely of "home talent" and was apparently well received by the V-12 trainees on both campuses.

New Building Built



NEW ADDITION—The second unit of the Engineering Research Building is rapidly nearing completion. The building will house a machine shop and the wind tunnel, in addition to other shops.

Second Unit of New Research Building Soon to Be Completed

The second unit of the Engineering Research Building will be completed within the next several weeks. The shop will be moved from the State street building beginning this week, according to Mr. William M. Hammond of the Armour Research Foundation.

A/S Spooner Recently Elected IAES Secretary

A/S Albert J. Spooner was elected secretary of the IAES at a meeting held recently.

Movies entitled "Building a Bomber" were presented at this meeting. The pictures showed the various construction and testing steps in the production of the Martin B-26 Marauder.

Homer J. Merchant, United Air Lines eastern sales manager, scheduled to talk at this meeting will speak instead next Wednesday at 11:10 a.m. in 211C.

This addition is adjoined to the first unit of the Engineering Research Building. Inside the building will be a machine shop, a welding room large enough to fabricate large equipment, a heat laboratory, an electrical laboratory, and the wind tunnel.

Electrical connections have been made so that the building is connected directly with the other research buildings.

The windtunnel will be moved from its present position in the first floor of the old building into a permanent position in the new unit.

NAVAL NOTATIONS

Quarters #1

Ed Grydyk's brother Stanley, Lt. (j.g.) of the Naval Air Force, visited quarters this week.

B.T.O. Bill "Sonny Baker" Horn is having trouble with his women. Bill doesn't like the sound of "Horn" so he uses "Baker". The watch has more than once called out, "Horn, I mean Baker on the horn."

Herb "Rip-Van-Winkle" Carlson is really pulling down an "A" in "sack lab." In fact Herb and Carl Mueller, athletic specialist, 1/c, meet almost every morning and have "words."

Night swimming seems to agree with Art "Boot" Marcusen. He was seen on a 20' high dive at the Lincolnshire Country Club at 3:00 a.m. Sunday morning.

Pat Restaino is the envy of all the boys in the quarters. No matter where he goes he always gets a girl with a car. The latest is one with a '41 four door sedan.

Quarters #2

John Tatter, formerly from Quarters #2 and is now at Ashbury Park, is to leave for Annapolis on the twenty-ninth of this month. He claims that liberty at Ashbury compares by no means to good old IIT.

Ray E. Tubergen is receiving his commission from Annapolis on the twenty-third of this month. He will then make great haste back here to marry that lovely in the Registrar's Office, Dorothy Jacob, on the twenty-sixth of this month. Murray Percival is to be best man.

Having five intramural teams in the afterdinner softball league is really hard on the record of the house as a whole. It seems as

though one of the five teams is forever beating one of the others and thus placing them out of good standing.

Quarters #3

William Goldman and Benjamin Farr couldn't wait until they were assigned to sea duty, and to claim their zest for the sea they went sailing on the lake. Fifteen minutes later we found our salty seasick V-12'ers stranded on some rocks out on the lake shipwrecked.

Seamen Jack Keith, Jack Graf and Jack Martinko had a little social gathering last week-end. Very confusing but amusing—after the above seamen introduced their dates they then realized there were three Doris's and three Jacks.

Peter Outcault has left IIT again for the "Lakes." The quarters wishes him a speedy recovery.

Two lucky seamen who were fortunate to forget Chicago for a week end were Robert McElwain and Peter Outcault. McElwain went to Lima, Ohio while Outcault went to Cincinnati, Ohio.

Quarters #4

The only striking thing that happened this week didn't even happen in the house! The landscape in the form of the bill-boards across Michigan Ave. was changed to a gaudy red Riverview add which each morning rudely shocks the men awake during calisthenics!

The third deck darkroom is proving quite a success. The enlarger promised by Archie Heim has not yet arrived, however.

The third deck showers are still not complete. It seems production was halted, either from lack of mat-

erials or for lack of the tools with which to cut the material for the shower sides.

Jack Eckerly and Charles Hendries flew together to Detroit, Michigan, to visit their respective homes over the weekend. Richard Anderson spent the weekend visiting relatives in Ludington, Michigan.

Quarters #5

Victor Mieszkowski celebrated his 21st birthday last Wednesday night with a party on third deck. A large cake with thick frosting and happy birthday spelled across it was divided among the men. Boxes of candy and cookies were also passed around.

The inevitable box of plums arrived on time for Charles Marrini from his parents in Alliance, Ohio.

Kenneth Edge and Norman Reisinger attended a beer party over the week-end at a west side home. Being a private party it was the first legal beer they'd had in some time. (both are under 21).

The men received five cartons of cigarettes and Salty, the new pup, a box of dog biscuits from Mrs. J. J. Abbott, owner of the residence next door. Lt. W. A. Hamilton on seeing the dog biscuits during a recent inspection is reported as having said, "What's the matter? Didn't you like chow?"

Quarters #6

Quarters 6 will be "dry" for several days as the result of carelessness or laziness on the part of the crew. Empty coke bottles were found in the lounge so the MAA closed the coke machine until further notice.

Air cadets Oscar Henke and Harvey Russ who were formerly students at George Williams visited quarters for several hours last week.

A/S Chuck Porter of Chicago was guest of A/S Richard Graham in Detroit over the weekend.

A/S Mark Farrell spend the week-end at Lake Geneva, Wisconsin.

A/S John Miller of Toledo, Ohio went home over the weekend.

ITSA Constitution

ARTICLE I—NAME

This organization shall be known as the Illinois Tech Student Association.

ARTICLE II—OBJECT

The object of the ITSA shall be to administer, through its elected officers, the distribution of the monies in the Student Activities Fund, to develop unified spirit and be the instrument of student self government at IIT by

1. Organizing and systematizing all inter-class relations, all class customs and privileges;
2. Conducting all class elections;
3. Serving as a means of communication between the student body and the faculty;
4. Investigating and rendering opinions upon any matter brought to the organization or upon any matter which may be initiated by the organization itself;
5. Passing and enforcing such acts as it may deem advisable for the government and regulation of the student body;
6. Acting as a Court of Appeals from all sections of classes, members of committees in carrying on class activities, organizations, athletics, or any student;
7. Having full privilege of investigating the management of any student activity;
8. Fostering mass meetings at appropriate intervals;
9. Promoting intramural and inter-fraternity contests;
10. Stimulating interest in athletic contests;
11. Assisting the athletic department in arranging schedules, receiving and caring for visiting teams, etc.
12. Providing cheers and cheer leaders;
13. Directing and managing all matters which properly fall under the direction of such an organization.
14. Direct supervision of the funds used for student publications.
15. Ex officio control over the Honor Board.

ARTICLE III—MEMBERSHIP

Upon payment of tuition, any registered day-school student of Illinois Institute of Technology shall automatically become a member of the ITSA, such membership to extend until the next scholastic registration day.

ARTICLE IV—GOVERNMENT

SECTION 1. The government of the ITSA shall consist of a managing board known as the ITSA Board of Control.

SECTION 2. The ITSA Board of Control shall consist of sixteen members; eight representing Armour College, three representing Lewis Institute, one representing the IIT student body, and four representing Illinois Institute of Technology.

In case the organization of the student body of IIT may in the future include undergraduate groups that cannot rightly be integrated with the regular classes, the ITSA Board of Control may provide that such groups have representation on the Board.

SECTION 3. The representation from Armour College shall consist of a first vice president, a vice-president, a secretary, one representative each from each class, and the Dean of Armour College. The representative of IIT student body shall be the president of the ITSA Board of Control.

SECTION 4. The representation from Lewis Institute shall consist of a vice-president, a student representative, and the Dean of Lewis Institute.

SECTION 5. The representation from Illinois Institute of Technology shall consist of the President of the Institute, the Dean of Students, the Treasurer of the Institute, and the Director of Physical Education.

ARTICLE V—OFFICERS

SECTION 1. The officers of this organization shall be nominated in primary elections (to be held simultaneously on Lewis and Armour campus) in which any student may have the privilege of submitting his name to the ballot. The candidates nominated in the primary election for the respective offices, shall be those two students receiving the most votes in the election. In case of close balloting (three per cent of the votes cast) three or four candidates may be nominated. The president shall be nominated from the student body of the Illinois Institute of Technology as a whole.

SECTION 2. The student president shall be elected by a poll of the entire student body of IIT from the candidates nominated in the primary elections. The student officers from Armour College shall be elected by a poll of the entire student body of Armour College of Engineering from the candidates elected in the primary election.

SECTION 3. The student officers from Lewis Institute shall be elected by a poll of the entire student body of Lewis Institute of Arts and Science from the candidates elected in the primary election.

SECTION 4. The election of student officers shall be conducted by an election committee composed of the student members of the ITSA Board.

SECTION 5. The officers of this organization shall be elected every alternate semester and shall serve for two terms, except in the following case: The representative from Lewis Institute, after having served one year, shall automatically become a vice-president.

SECTION 6. A president of this organization must at the time of taking office, be completing his Junior year and be ready to start his Senior year the following term.

The first vice-president of this organization must, at the time of taking office, be completing his Sophomore year and be ready to start his Junior year the following term.

The vice-presidents of this organization must, at the time of their taking office, be completing their Junior year and be ready to start their Senior year the following term.

The secretary of this organization must, at the time of taking office, be completing his Sophomore year and be ready to start his Junior year the following term.

Commissioners or officers shall be elected by the Freshman, Sophomore, Junior and Senior class groups. The chairman of the commissioners shall be the ITSA representative.

The Treasurer of Illinois Institute of Technology shall be the treasurer of this organization.

SECTION 7. Duties of the officers of the Board of Control: It shall be the duty of the student president to call and preside over all meetings of the Board and to perform such duties as appertain to the office of president. He shall be a member ex-officio of the Honor Board.

It shall be the duty of the first vice-president of this organization to assume charge of all committee work of the organization and to perform any other necessary duties that shall fall to the first vice-president.

It shall be the duty of the vice-president from Armour to represent his class on the board and to act as an assistant to the secretary and to perform any other necessary duties that fall to this vice-president.

It shall be the duty of the vice-president from Lewis to represent the student body of Lewis Institute on the Board, to act as an assistant to the first vice-president, and to perform any other duties that fall to the vice-president.

It shall be the duty of the secretary of this organization to take minutes of all meetings of the Board and of the association and to keep in bound books, and to care for any other records, and documents concerning this organization.

ARTICLE VI—BUDGET

SECTION 1. The ITSA Board of Control shall prepare a budget to show proposed distribution of the Students Activity Fund as appropriated by the administration for the ensuing academic year. This budget shall be completed and printed in the official student newspaper before the thirtieth day of the new semester. This budget shall be prepared as follows:

(1) The ITSA Board shall set aside an amount which it deems sufficient for the conduct of student activities which are common to both campuses. These activities include publication and others which draw their membership from the entire student body.

(2) The remaining amount shall be held to meet unforeseen contingencies which may develop during the school year.

SECTION 2. Any balance left remaining at the end of the school year after all bills have been paid, shall be placed in a fund to be used at the discretion of the Board for any purpose contributing to the general welfare of the student body.

SECTION 3. A statement as to the distribution of the Student Activity Fund shall be printed in the official student newspaper as soon as all bills are paid for the school year concerned.

ARTICLE VII—AMENDMENTS

The constitution may be amended at any time by a two-thirds majority of the student vote cast, said amendment to be submitted by the ITSA Board to a vote of the student body.

BY-LAWS

ARTICLE I—SPECIAL ELECTIONS

In case an officer resigns or is unable to continue his duties, a successor shall be elected by the Board of Control.

ARTICLE II—INTRAMURAL ACTIVITIES

SECTION 1. Intramural contests comprising inter-class athletic contests, and the like, shall be under the direction of an intramural manager.

SECTION 2. The intramural manager shall be nominated by the President of the ITSA and approved by the Director of Physical Education.

SECTION 3. The intramural manager must arrange intramural schedules, furnish any necessary referees, umpires, or judges, draw up any necessary rules, and make any other necessary arrangements.

SECTION 4. For his work, the intramural manager shall receive a major manager's award.

SECTION 5. All awards for intramural contests shall be approved by the Board.

ARTICLE III—ATHLETIC AWARDS

SECTION 1. The standard major or minor "I" shall be awarded to deserving athletes.

SECTION 2. Standard athletic award letter for the Illinois Institute of Technology shall be SCARLET LETTER with GRAY TECH, done vertically on 1-3" block for MAJOR, 6" block for MINOR. Manager's Award shall have MGR. on base of I.

The awards shall be as follows:

1st Award: GRAY SWEATER—SCARLET LETTER

MAJOR LETTER—8" block (Light or Heavy Sweater)

2nd Award: Same as first, SCARLET LETTER, shall be considered as STANDARD

Captain's Award: WHITE SWEATER (or Jacket, if Senior)—SCARLET LETTER. (Scarlet and Gray Combination signifies Captain of a sport.)

Graduating Senior: Choice of Sweater or Jacket (Black and Gray Reversible Jacket)—He must have earned his second or subsequent MAJOR LETTER, in his Senior year. Jackets shall have 5" SCARLET BLOCK LETTER; Captain's Jacket shall have 2" SCARLET and 5 point star on left sleeve above wrist.

Senior Marshal Awards: 5" letter with JM on base of I. White lightweight sweater.

Blanket Awards: All graduating seniors having won at least two (one in his senior year) MAJOR LETTERS as Athletes shall receive BLANKETS—(Gray Blankets with SCARLET LETTER and Border.)

Manager's Award: Gray, light or heavy Sweater. SCARLET LETTER with MRG. on base of I, I being the same size as that awarded in his sport.

Man Award: Gray pullover, lightweight sweater, SCARLET NUMERALS (four across chest)

SECTION 3. Recommendation for awards in any sport are to be made by the coach of sport.

SECTION 4. The final decision in regard to awards is to be made by the Board of Control.

ARTICLE IV—CHEER LEADERS

The officers of the organization shall choose the cheer leaders and the assistant cheer leaders in any manner they may deem advisable.

ARTICLE V—PROTEST OR APPEALS

SECTION 1. The officers of this organization shall act as a committee with the President chairman when considering all protests regarding athletics, or appeals of the classes, organizations, committees, or students.

SECTION 2. All protests regarding athletics shall be referred to the officers of the organization, as well as all appeals.

ARTICLE VI—APPOINTMENTS

Any appointment made by the president of this organization shall be subject to the approval of the Board.

ARTICLE VII—DISTRIBUTION

The Constitution and By-Laws of the ITSA shall be published each alternate term.

SECTION 1. Control of the Student Union shall be delegated by the ITSA Board of Control to a Union Board composed of the following: One representative each from the Senior, Junior, Sophomore, and Freshman Classes.

SECTION 2. It shall be the function of the Union Board to determine the policies and regulations concerning the usage of all parts of the Union Building, subject to the approval of the ITSA Board of Control.

SECTION 3. The operation of the bookstore, check room, and the dining rooms shall be under the direct control of the Illinois Institute of Technology administration.

SECTION 4. The Student members of the Union Board shall be elected each alternate term in the regular class elections.

SECTION 5. The term of office of each member of the Union Board shall be two terms. The Senior representative shall act as the chairman of the Board.

SECTION 6. The detailed administration of the policies of the Union Board shall be vested in a paid manager appointed by the Illinois Institute of Technology administration. He shall be a member, ex officio, of the Union Board.

SECTION 7. The number of student assistant managers and student employees required for the Union shall be determined by the Manager.

Integral Queen Will Be Picked In Student Election Wednesday

"Who will be the 1945 Integral queen?"

This question will be decided Wednesday when Illinois Tech students select their choice from a group of 10 girls. The photographs will be on display in the Student Union lobby and voting will take place from 11 a.m. to 2 p.m. Arrangements for balloting at Lewis and George Williams have not been completed.

The ten were chosen by the Integral staff from a total of 24 entries. They are: Jean Irmeter, Charmaine Forsland, Rita Mae Miles, Ruth Nelson, Edith Grastorf, Shirley Anderson, Lydia Luptak, Pat Elsan, Frances Pekter, and Marilyn Fisher. According to A/S Larry Johnson, associate editor of the Integral, the students will select the first four in the order of their preference.

Not until the evening of the Integral dance will the identity of the queen and her court of three be revealed. The dance will be held on Saturday evening, August 26, at the Medinah Athletic Club. Bob Chester and his nationally known orchestra, with vocalist Betty Bradley, will supply the music.

Tickets for the affair are on sale in the Student Union lobby on the Armour campus. On the George William campus A/S Bill O'Mara is handling the sales while the members of the ASSC at Lewis will take care of the matter there. The bids cost \$2.75.

Dean's OK Needed In Dropping Classes

All those desiring to drop classes must secure permission from the dean's office on or before Friday, according to Ruth E. Leitch, assistant to the dean.

Dean James C. Peebles is now vacationing, and the date of his return is indefinite according to the assistant dean.

Dorothy Jacob to Wed Ray Tubergen Aug. 26

Dorothy Jacob, secretary to the registrar, and former A/S Ray Tubergen, now a midshipman at Annapolis, have set the date of their wedding for Saturday afternoon, August 26. The ceremony will be held in the Calvary Church at 7800 S. Morgan Ave.

A/S Murray Percival will be best man while "Dottie's" sister, Ruth, will be maid of honor. A reception in the church will immediately follow the wedding.

"Dottie", once voted the "most popular secretary on the Illinois Tech campus" by the students, has been secretary to the registrar for slightly more than a year.

Tubergen, formerly a member of the Illinois Tech V-12 unit, received his degree in fire protection engineering last February and expects to be commissioned an ensign August 23.

Fraternities & Sororities

Warsawsky Pledged To Sigma Alpha Mu

Jay Warsawsky, freshman, has been pledged by Sigma Alpha Mu. He is the sixth man to be pledged this term.

Former Prior Bob Barrett, '41, has hung his pin on Phylis Paul. Phylis is a cousin of Morton Paul, pledge-master.

Rosette Sales Held By Kappa Phi Delta

Members of Kappa Phi Delta sorority held a rosette sale at the west campus during lunch periods last Tuesday. The rosettes were made by Florence Bartusek, assisted by Marie Kissane and Joan Nicholas. According to Lillian Seges and Ruth Body, the sale was a success.

Four sorority members will leave August 19 for a week's vacation at

AS I SEE IT

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Those teaching the only section of a required course sometimes get big headed and think that they are truly indispensable. In their minds the Institute could not exist unless they were there to teach that particular course. This is not true of the majority of such men but it is true of quite a few.

It sometimes seems quite fantastic that such conditions exist and yet no one does anything about them. Most of the students can't have the influence to do anything about such things, and, after all, there is still the power of the report card which the complainers will eventually receive; and any teacher who indulges in these other practices would probably not hesitate to knock a complainer's grade down a few points out of spite.

It is the responsibility of the department heads to investigate this deplorable situation. To deny that it exists would be only to fool themselves. (Incidentally it wouldn't do any harm for them to ask themselves whether their own teaching methods are always the best).

Of course some of them will always come up with the same old alibi that the war is preventing any changes being made. They use that greatest of all alibis, "Don't you know there's a war going on?" Many of these poor instructors were here long before the war started. In fact, some of them were old timers at IIT during the last World War. No, you can't blame it on the war.

Well, what should be done? One suggestion would be for each student to rate his teachers at the end of each term, before he received his grades. The results would be tabulated by the department heads. If the majority of the students were dissatisfied (and stated why they were), the professor would be given a warning. If he persisted to act that way in the future he would be transferred to other tasks.

A second workable plan would be to have an arrangement made whereby no man would be permitted to teach the only section of a course. Have at least two classroom groups for each class subject. Most single sections are sufficiently large so that this would be possible to do. Then at least the students would be able to plan their programs so as to be able to steer away from the undesirable instructors. If a professor didn't get anyone in his class then, perhaps he would take a hint and mend his ways. (Sometimes I think it would take a load of bricks to fall on some of these instructors to change their tactics. They think

Jordan Lake, Wisconsin. They are: Florence Bartusek, Ruth Body, Lillian Seges, and Patricia Arns Walter.

A shower was held yesterday at Lillian Seges's home for Blanche Fried, who will marry Henry Tigerman on August 20. The couple will spend its honeymoon in Wisconsin.

6 Students Pledged To Delta Tau Delta

Six men were pledged to Delta Tau Delta last week. They are: William Ross, Grant Nedin, Walter Koehler, John Hagen, Rodney Confer, and John Baker.

The pledging was the climax of a splash party at the Medinah Athletic Club, and a smoker at the fraternity house at 3542 S. Princeton.

A beach party was held August 5 at the 75th Street beach.

Integral Queen Finalists



SEVEN BEAUTIES—Pictured above are seven of the ten finalists in the Integral Queen contest. They are from left to right: (top row) Jean Irmeter, Charmaine Forsland, Rita Mae Miles; (center) Ruth Nelson; (bottom row) Edith Grastorf, Shirley Anderson, and Lydia Luptak. Not pictured are contestants Pat Elsan, Frances Pekter, and Marilyn Fisher.

they are waging a religious crusade against the students.)

Unfortunately some people have deliberately tricked the students when arranging their programs. After carefully planning their classes to avoid getting a particularly obnoxious professor, they walk into the room and discover—you guessed it—that mean teacher with a big GRIN on his face. At the last moment the class sections had been switched in order to assure a big class for the unpopular prof.

A very good suggestion would be for a complaint board to be set up to settle such problems and act on the complaints of the students. Positive action would be taken upon the recommendation of this board. But this board should not be composed of a bunch of old fogies who still live twenty years in the past and who think that a faculty member must necessarily be an angel. It must be composed of young men who are realists and have the best interests of the student body at heart. Preferably there should also be some students on the board—students who are definitely not lazy and stupid as some professors accuse all students of being.

Many of these faculty members who are not good teachers are not necessarily to blame themselves—after all, teaching ability is a thing which some have and others do not have.

It's up to the faculty to take action NOW. Is it just going to sit back and say "uh huh" and go merrily on its way or is it going to take action. Certainly they are not so blind as to think such terrible conditions do not exist, or are they?

Russel Kasmar Elected President of Radio Club

Russel Kasmar was elected to the presidency of the Radio Club at a recent meeting. Other officers included A/S Robert Sodaro, treasurer, and A/S Kenneth Coon, secretary. Following the elections, plans were discussed for the coming semester.

Grinter's Book, "Engineering Preview," Supplies Over All View of Engineering

A new book called "Engineering Preview", which is edited by Dean Linton E. Grinter of Illinois Tech's graduate school, is soon to leave for the MacMillan Publishers.

According to Dean Grinter the book is composed of various chapters which treat the background sciences, languages, tools, and basic applications of engineering. The subject matter of the book was written by seven authors from various fields in engineering.

Four members of the Illinois Institute of Technology staff contributed sections to the book. Grinter authored the sections on the background for engineering and the writing of technical reports. Henry Cecil Spencer, chairman of the department of technical drawing, wrote the section on technical drawing. Mathematics was treated by Rufus Oldenburger, professor of mathematics and the section on the slide rule was contributed by Charles O. Harris, associate professor of mechanics.

Other sections of the book were written by men from other schools. The section on chemistry was contributed by Harry N. Holmes, head of the Severance Chemical Laboratory at Oberlin College. Illumination, electricity and electronics was treated by Royce G. Kloeffler, head of the department of electrical engineering at Kansas State College. The sections on mechanics and heat were written by Virgil M. Faires, professor of mechanical engineering and head of the department of industrial engineering at Texas A & M College.

Although "Engineering Preview" is divided into various subjects, the chapters are not unrelated, according to Grinter, but are organized to present the background of engineering. "Engineering Preview" gives a prospective engineer the language of engineering which is technical drawing, a universal tool which is mathematics and the slide rule, and a background and application in physics and chemistry.

At the end of the book a home study edition has been included.

Furthermore, many high school graduates who entered industry during the war will now be interested in resuming their education.

In addition there are the two service groups, the V-12 and the ASTP. Members of these organizations will probably be interested in resuming their studies upon the cancellation of these programs.

Then too, the GI Bill of Rights, with its provisions for education for veterans, will be an influential factor in encouraging more veterans to go to college. Lastly, many men in the army who previously planned to attend liberal arts colleges have changed their minds, and will probably be more interested now in attending an engineering college. The reason for this is that their increased contact with engineering equipment while in the service probably has increased their interest in technical work as a vocation.

POSTWAR

(Continued from Page 1)

trance qualifications. Grinter explained that since accommodations would be somewhat limited, it would be only right that those best qualified should be considered first.

The increased enrollment after the war will come from eight sources. First of all there will be the regular students still in school who will wish to continue on to graduation. Secondly, a large influx of new high school graduates can be expected.

In addition, many of the men whose education was interrupted because of the war will now be returning after the conflict is over. These include those who just left at the end of last semester.