TECHNOLOGY NEWS

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Alphabetical Order Governs Registration

B & E Dept. Now Offers MS

Research Project, 32 Credit Hours Required For Graduate Degree

Two new graduate programs are to be offered by the department of business and economics beginning in September, 1948. Degrees awarded will be master of science in business and economics and master of science in business and engineering administration.

The graduate program in business and engineering organized by Dr. Pearce Davis, chairman of the B & E department, will be of particular interest to engineering students. It has been designed for engineers who are interested primarily in the administrative, financial, marketing, and human relations aspects of industry rather than in technical engineering or any of its more restricted production phases.

The course of study provides professional training at the graduate level, in business organization and administration, financial organization and administration, accounting control of business, market analysis and development, labor management relations, theory and application of engineering economics, and related areas of interest.

Masters Degree Offered

Engineering graduates of IIT who have completed the management option provision of the engineering curricula of Illinois Tech and other engineering graduates with equivalent undergraduate training will ordinarily be able to satisfy the prerequisites for graduate study toward the business and engineering administration degree. Such men will normally find it possible to complete the work for this degree in two semesters. For other engineering graduates the program will take a longer period of time.

Award of the degree requires the completion of 32 course credits, submission of a satisfactory research project that coordinates the student's undergraduate engineering training and graduate study in business and engineering administration, and a high standard of performance

(see MASTER'S DEGREE on page 4)

Blue Greenbacks

Few students on the Illinois Tech campus can match the perplexing financial problem that confronted Ross Henderson, a Canadian college student, who was recently interviewed by a *Technology News* reporter.

Ross, on a visit to the United States from the University of Manitoba in Winnepeg, proved to be unduly generous with midwestern merchants. His trouble arose from indulging in a native habit of selecting bills from his wallet by color alone.

"You see," he explained, "in Canada the one dollar bill is green, the two dollar bill is dark orange, the five is blue, the ten is purple, while the twenty dollar bill is olive green."

Ross was unable to estimate just how many "green" fives, tens, and twenties he gave out (while in the US) thinking they were one dollar bills.

COEDS SPARKLE ON COURT

Illinois Tech vs. Vassar . . . Thursday afternoon in the new gymnasium. Admission free, all students are urged to attend.

Sounds good, doesn't it? Well, it's not too far off.

Probably the only engineering school in the entire country to field an athletic team composed entirely of girls, Illinois Tech, with its rapidly increasing female enrollment, points with pride to this new development.

Every Tuesday and Thursday morning precisely at 10 a.m., as the "No Men Allowed" sign dangles noisily from the gymnasium door, 15 appropriately dressed Techawk coeds trot out on the floor to begin practice.

Led by Shirley Langill, Audrey Salomon, and Lill Koslowski, to name a few, the gals show a definite and marked improvement with every practice session. They have made definite plans to form teams, thereby creating a league. All league games will be played on Wednesday nights.

"Our immediate goal will be to challenge and defeat a team composed entirely of men," agree all the girls, "and as far as Vassar and Wellesley go, they will come in due time."

As an added note, the girls want it emphatically pointed out, that all practice sessions are, and will remain "STRICTLY PRIVATE."

"IT'S MY BALL, LET ME HIT IT," cries Audrey Salomon to Lua Johnson, as they practice for the forthcoming IIT gals volley ball tournament. Accompanied by Kay Kamalick and Audrey Reed, they lead a group of 15 Techawk girls thru the Tuesday and Thursday sessions.

Juniors Plan Amateur Night; Silver Trophies Given as Prizes

Now is the time for talented Techawks to emerge from hibernation and bask in the limelight for one short, but glamorous night.

The junior class' "Forty-Niners' Frolic" is offering this fame (and also a little of that "fortune" stuff) to the three best acts presented at the all-school amateur show November 13.

Any kind of talent is eligible to compete. The program needs vocalists, comedy routines, musicians, impersonators, or any other type of act (even bubble dancers), either given by an individual or a group.

The acts taking first, second, and third places in the show will be awarded impressive looking silver trophies and free bids to the dance. If the recipient has already purchased his bid, his money will be refunded.

The winners will be chosen "in the most democratic way possible." Every member of the assembly audience will mark the contestants of his choice on the ballot given him.

Application blanks for the contest are easy to get. They can be found on the posters in the North Union lobby and South Union lounge. Boxes are provided on the posters for return of the applications.

The only eligibility requirement is that entrants must not currently be receiving professional wages for their talent.

Winners of the contest will receive their trophies during the intermission of the "Forty-Niners' Frolic" on November 14. Following the presentation, the "cream of the crop" acts will be given.

The "Frolic," an informal dance, will feature dancing on a rainbow colored glass floor. This floor which is a famed feature of the Knickerbocker Hotel's grand ballroom, is lighted from underneath by a large number of varicolored bulbs. It promises to provide a truly romantic setting for the mellow music rendered by Eddie James and his orchestra.

Tickets for the dance, priced at $3.00, are on sale daily in the North and South Unions.

Peterson Named Naval CO

Robert C. Peterson, associate professor of safety engineering at IIT, has just been notified of his appointment as commanding officer of a naval reserve safety division in the Ninth District, Volunteer Naval reserve. The district, which has its headquarters at Great Lakes, covers 16 midwestern states.

New System Eliminates Long Virgil For Conveted Classes

Starting 50-Man Contingent Chosen By Lot; Following Letter Groups Go Next

A new registration procedure will be put into effect this coming semester. The purpose of the new plan is to provide a fair system of registration for all students and to eliminate the necessity of arriving six to eight hours ahead of schedule.

The new system is based on alphabetical distribution and will operate as follows: each class will be broken up alphabetically into groups of approximately fifty students. These groups will then be given a certain time to report for registration. The times will be spaced at fifteen minute intervals. If a student is not present when his group is called he will not be allowed to register on that day and will have to wait until the last day of registration.

The seniors will register first, then juniors, sophomores, and freshmen. Seventh and eighth termers will register on the same day, fifth and sixth termers will register together while the remaining classes are to follow in the same order. All students will be notified by mail when their respective group is to register.

In order to be as fair as possible in the inauguration of this new procedure, an alphabetical group will be chosen by a drawing or some similar method. This means that the A's will not necessarily be the first ones to register. However, after the initial choice, all groups will follow in alphabetical sequence. On all succeeding semesters the registering is to be rotational according to a previously arranged pattern.

Changes in registration and new enrollments in the day school will be limited to the first five days of classes. Evening students will continue with the usual two week period. Registration at the downtown center has been discontinued for the coming semester.

'L' Petition Signed By 2000 Students And Sent To CTA

Illinois Tech students have filled a 60 foot petition requesting additional rapid transit facilities. The petition was placed in the South Union lounge by Don Campbell, assistant business manager of *Technology News*.

After the request for an express stop and an extra stairway was presented to Dean John F. White and approved, it was forwarded to Pres. Henry T. Heald.

President Heald then sent the petition to the Chicago Transit Authority with the following letter:

October 31, 1947

Mr. Philip Harrington, Chairman
Chicago Transit Authority
20 N. Wacker Drive, Room 1940
Chicago 6, Illinois

Dear Mr. Harrington:

A petition signed by more than 2,000 students of Illinois Institute of Technology requesting an express stop between 7:30 a.m. and 10:00 p.m. and an additional stairway for entrance and exit at the 33rd street elevated station has been presented to our Dean of Students, John F. White.

I am enclosing the petition with the request that it be given serious consideration by the Chicago Transit Authority. Illinois Tech has expanded rapidly since the end of the war. Its total enrollment—both day and evening—now numbers in excess of 8,400 students, and its faculty and staff bring its total personnel to more than 10,000. Its main offices and buildings are located around 33rd street, the center of the 100-acre Illinois Tech development

(see PETITION on page 8)

Barricade Federal, Dearborn Streets

A new step in the safety program on the campus of Illinois Institute of Technology was noted when permanent barricades were erected on Federal and Dearborn streets last week. Undertaken at the recommendation of the safety engineering department, this action is expected to minimize the anxiety of the thousand or more students who pour out of the buildings between classes at a rate of several hundred per minute.

The franchise enabling the Institute to build the barricades is a Chicago ordinance, which permits the city to deed a street to an organization if it owns property on both sides of the thoroughfare. This is true of both Federal and Dearborn streets between 32nd and 33rd.

The eventual plan of the development program of Illinois Tech calls for two buildings to occupy the area now covered by Federal street north and south of 33rd. At that time all streets on the campus will be designated as private lanes; a further step in safety development on the campus.

Reorganized Dramatech Needs Amateur Actors, Actresses, Stagehands

A revitalized Dramatech will soon make its appearance at IIT due to the efforts of Joe Coffer and a zealous organizing committee.

A group of interested students recently elected Don Wazeck, Virginia Dorociak, Raymond Klopch, Robert Ames, and Joseph Simmons to the Dramatech executive committee. Joe Coffer was chosen to serve as committee chairman.

The group will function as an extra curricular activity, under the sponsorship of the English department and is open to all students interested in extra drama work or stage crew production. Frank Hrachovsky, assistant professor of technical drawing and Henry Knepler, instructor in English, will aid the students in their productions.

The executive committee will meet tomorrow at 11 a.m. in 102C to discuss securing the services of more actors, actresses, production managers, technicians, stagehands, and propmen.

Don't miss the Pigskin Prophet contest on page seven!

Say, Dad Dearborn— It's Time For Action

On June 6th, 1892 a forward stride was made by the planning fathers when they constructed the elevated system to supplement the streetcar lines. Also in 1892 the school now known as Illinois Institute of Technology was founded. Since then Illinois Tech has grown from 1500 students to over 8,000 students. In this time, barring minor improvements, the general scheme of transportation has remained the same.

Like the old story of the little boy who grew up to be a big boy and failed to make the requisite alterations in his clothes, when he sat down—— we too feel the draft from the gap in our transportation system.

The trouble isn't that we're being picked on or oppressed, it's just that we're forgotten. Everything has happened so fast, and others were so demanding that no thought was given to the good-natured bunch of engineers who travelled to and from 33rd and Federal streets.

However ones good-nature lasts only so long. No ones patience is inexhaustible. Late for class and appointments; waiting for wayward busses, street cars and elevated trains midst pouring rains or bitter cold gales; spending a good part of the day travelling and making connections soon draws the temper of anyones patience.

Our patience has been exhausted. We feel this is the time for ACTION. Long and patiently have we waited. Now we would like to see the fruit of our forbearance, namely improved elevated, bus, and street car transportation.

Jeepers-No Bleachers!

The frequency with which IIT's $8000 hardwood basketball courts are mentioned in *Technology News* is probably a stock joke on the campus. We know these courts have been mentioned quite often but we're proud of them.

We are also proud of the entire gymnasium, which, although not a permanent structure, adds 17,500 square feet of floor space to the campus. However, this gymnasium where all our home basketball games are to be played, has no facilities for seating spectators.

Although little room is available for these bleachers on the north, west, or south walls of the gym, adequate seating arrangements could be provided between the two courts. Several companies offer a rollaway type of bleacher seat that would be ideal for this purpose.

Spectators are as much a part of a collegiate basketball game as the players themselves. Let's not deny students the privilege of getting out and rooting for our team when they play on the campus.

TECHNOLOGY NEWS

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Going, Going . . . Gone!

1924 Urbana-New York Blowout Champ Now IIT Research CE Professor

by John C. Dinou

Although Linton E. Grinter, professor of civil engineering, is listed in several volumes of "Who's Who," and is a noted author, consultant, and research man, one of his proudest claims to fame is for "number of blowouts enroute from Urbana, Illinois to New York City." In 1924, he and a friend, George Keraner, set out to conquer the Big Town. Their means of locomotion was a disreputable jalopy purchased for 25 dollars which rode on a set of twenty-five cent tires. It was with these same tires that the two boys established what they believe to be a record—30 blow-outs for 1000 odd miles.

L. E. GRINTER

In general, there was a neat little recession in full sway at the time. By way of construction work, it was a downright stalemate. Their grub-stake of 25 dollars didn't add to their security either, so they decided if jobs weren't found in seven days, they'd hop a tramp steamer and go to the Continent to see the Olympic games. In spite of the job scarcity, they both hit decent work, so their proposed adventure died and a cross-roads was passed.

Another turning point came into Dr. Grinter's life while he was a senior civil engineering student at the University of Kansas in 1923. Folks didn't know much about airplane design in those days. There were few publications and little experimental work. In spite of this, he set out to design and build a flivver type airplane to be powered by either a Model T or a motorcycle engine. However, it seemed necessary to raise around $1000 to actually put the thing into the air. That was the turning point. Maybe it would have flown!

The important thing is, it put him on the road to research. The beginning was crude, but a germ had been planted and there it was to remain. This same sort of thing sent him back to the University of Illinois where he was to work with a truly all-star team of structural engineers. Illinois had assembled the outstanding men in the country in its faculty. Harry Cross, who pioneered in moment distribution analysis, A. N. Talbott, who made the original tests on reinforced concrete, N. S. Ketchum, W. M. Wilson and H. M. Westergaard were there, to name a few.

It was Hardy Cross who most inspired Grinter during his study, and for ten years after earning his doctor's degree, Grinter was to extend Cross' theories on moment distribution analysis.

Dr. Grinter came to Illinois Tech in 1937 as head of the civil engineering department and dean of the graduate school by way of Texas A. & M. From 1938 to 1946 he was dean and vice-president of the graduate school, and all that time continued research and supervised work for graduate students.

However, he has three other claims to fame. One is eight year old Laurence "Buck" Grinter; Mary, who is a junior at University of Illinois; and his wife Constance. In her own right Mrs. Grinter is no mean celebrity. On a recent Vox Pop program she was selected "Typical American Housewife of 1947." Her award for this distinction was one of her own choice, two tickets to last Saturday's big game between Michigan and Illinois.

Dr. Preston Bradley Inspires Chicago

Chicago has been fortunate to have, for the past 35 years, Dr. Preston Bradley, the spiritual leader of People's church. He unites in one man the American tradition of individual thinking, idealism tempered by experience, the love of humanity and a tolerance that embraces all mankind.

Dr. Bradley's services on Sunday mornings are inspiring, not only to the churchgoers, but to a large radio audience. The Sunday evening sermons are concerned with the contemporary scene, ranging from local to international topics. His observations show the wide background of knowledge he has stored and are often flavored by a great sense of humor.

While the administration of a large congregation is in itself a great task, Dr. Bradley finds time to write books, conduct two or three radio programs a day, give lectures before various organizations, conduct book reviews for the public library, etc. His own book reviews are given Wednesday nights in the churuch before capacity crowds. Ordinary mortals wonder how one man can carry on all these activities.

Most outstanding, however, is his concern with the poor and persecuted peoples of the world and his indignation at men and organizations who allow these injustices. Dr. Bradley is at the forefront helping those whom society has betrayed or forgotten. His emphasis is on intelligent thinking, not a blind acceptance of ideas. One is struck by his earnest search for self-thought coupled with the ethical and spiritual concepts of religion.

"My house is a house for all people, for it is a house of God," exemplifies People's church. The only creed is "The Good, the True, the Beautiful." And it can be said of Dr. Bradly as it was of Zola, "He was a moment in the conscience of mankind."

Louis L. Fisher

Cooperation Produces Results

Improved conditions in the South Cafeteria are the result of cafeteria management and student cooperation. More receiving depots have been installed for soiled dishes and students are now busing most of their own dishes. The net result—tables are being cleared more efficiently! This proves that a tough problem can be tackled and eventually licked.

Twenty new tables have been received by the cafeteria which will provide additional space for us to eat. All mugs without handles will soon be replaced by cups with handles. We will have no more burned fingers! Continued cooperation is needed in order to have the type of cafeteria we want.

U.S. Campuses Expand

By Don Goldsmith

Every so often, ye olde COLLEGIATE WORLD abandons its search for trivia long enough to take a short, but (we hope) penetrating, glance at the American collegiate pattern. At these times we try to tear off the shiny veneer of Joe College, the football team, and the Junior Prom, and see how things are doing "down deep" in the American college.

Regardless of what college is discussed, its dominant characteristic may be expressed in one word, "expansion." "Expansion of the physical plant, expansion of the faculty, expansion of research" and so on. In almost every college newspaper you read, headlines like this blaze at you: "Record Registration Overflows Valparaiso Campus"; "Stevens Tech Graduate School Offers 15 New Courses; Enrollment of 585, Largest in History"; "Attorney General Clark Keynotes Dedication of Northeastern's New $1,150,000 Student Center." And so the story goes at school after school.

The results of this expansion are probably most quickly revealed in research progress. At eight major universities including UCLA, Columbia, Wisconsin, and Chicago, cancer research is proceeding apace, with significant discoveries already made regarding the connection between cancer and enzymes and azo-dyes. The struggle between the two greatest powers on this earth—the atom, and the mind of man—is being carried forward at innumerable institutions, of which MIT, Cal Tech. and the University of Chicago are in the foreground. Biochemists at the University of Wisconsin have developed folic acid, a drug which promises great help in pernicious and other anemias. Other schools (notably Kansas State and Iowa State) have worked with 2, 4-D, a compound which kills weeds but not farm crops, toward the time when farmers will merely have to plant seeds and spray their fields with 2, 4-D to avoid the drudgery of cultivation.

The days when a higher education was only for rich men's sons are gone. Scholastic competition has increased to the survival-of-the-fittest stage, and graduates represent "the cream of the crop." Through expansion of facilities, the universities have been able to couple an increase in quantity with this quality improvement. In short, our colleges and universities have made a good start toward their goal of creating an intelligent and literate American public.

BY POPULAR REQUEST

An engineer walked into a fur emporium with a gorgeous blonde on his arm and demanded something expensive to hang on the curvaceous creature.

They yanked out something for about $500 and he rejected it with a snarl. "What alley cat did that come from? Bring me something nice."

Next came a $5000 number, then $10,000, but with each offering his demands grew louder for something better, much better.

So finally they dug up the key to the vault and brought forth a coat worth about $2 less than a king's ransom.

"Now that's fine," said the engineer, as his companion stared goggle-eyed at the creation. "Here's my check. You investigate at my bank to make sure it is good and I will be back Monday for the coat."

But Monday when he returned, he found the store manager in a purple passion. "You fraud! You cheat! The bank never heard of you! If you want that coat you'll have to pay for it in cold cash."

"Oh, but I didn't come after the coat," said our hero. "I came to thank you for a wonderful week-end."

Lloyd H. Donnell, Mech Prof, Named Magazine Editor

Lloyd H. Donnell, research professor of mechanics at IIT, has been named editor of the new monthly scientific journal, Applied Mechanics Reviews, being published by the American Society of Mechanical Engineers.

Dr. S. Timoshenko of Stanford University, generally recognized as one of the leading men in the field of applied mechanics, will serve as editorial consultant; Professor Donnell and members of the staff of Illinois Tech's mechanics department will handle all editorial work.

General supervision of the policy of the new journal will be exercised by a committee of representatives of national scientific and professional societies that have an active interest in applied mechanics. These organizations include, besides ASME, the American Institute of Physics, the American Society of Civil Engineers, the Institute of Aeronautical Sciences, the American Mathematical Society, and the Society for Experimental Stress Analysis.

More than 500 magazines, published in nations throughout the world, will be studied before the material is finally selected by the editors. Reviews will be written by American and foreign authorities, foreign reviews being translated into English before publication.

Applied Mechanics Reviews will be similar in scope and purpose to Zentralblatt fur Mechanik, a journal published in Germany before the recent war, and will be devoted to criticism and review of current world literature in applied mechanics.

"The magazine is intended to keep the reader abreast of new developments in mechanics and to enable him, in his further reading, to select the more important literature of the vast amount published in the field," Professor Donnell said, "The Journal," he added, "will be particularly useful to research workers."

The first issue is planned for January.

Armstrong Livens Flopperoo At Rialto

by Sy Becker & Jim Wangersheim

One day last week, we swallowed our pride. With collars pulled high around our necks, we hopped off a State St. car, plunked down ninety five cents, and stole shamefully into the Rialto. What happened to Lois DeFee?

On one of their "keep it clean" kicks for a change, probably as a result of the local gendarmes, the Rialto is burlesqueless once more.

Guess who turned up, ... Louis Armstrong . . . . . again. We can't dodge that guy. This time, at least he's on the screen, but on film or in real life, it's still the same old "Satchmo". Along with Billie Holiday and Woody Herman, Armstrong is the only redeeming feature of "New Orleans", a picture chuck full of southern belles, gamblers, and bare legged dancers, and a theme we learned to dislike almost before lollipops.

Rapidly erasing all the good memories of the "herd" that we had, Woody Herman continues with his "blues" vocals. Oh for the days of Harris and Phillips.

Billie Holiday, as before disaster struck, is her usual untouchable self.

For those who still doubt that Chicago's on the comeback trail, here's a list of the big-time names who will frequent the Windy City during the month of November. Starting with the loop's Opera House, will be Louis Armstrong on the 8th, and Stan Kenton on the 16th. Shifting north, we find Art Tatum, Ella Fitzgerald, Dizzy Gillespie, Jess Stacy, Charlie Parker and Wingy Manone scattered among the local nighteries, while Francis Wayne, and Nellie Lutcher keep up the south side tradition.

Prof. Mills closes the door panel in the maze of the sound room of the Parmly Sound lab.

World Seems Far Away In Parmly Sound-Proof Room

by Jack Wolfe

Close to the Rock Island's thunder, and even closer to the clamor of the South Union cafeteria, can be found what is very probably the quietest spot in Chicago. This is the sound-proofed room in the Parmly Foundation for auditory research.

This novel chamber, one of five in the country, is perhaps the most interesting feature of the foundation, which is devoted to basic research in the field of deafness. That such knowledge is badly needed is seen in the fact that an estimated 10 to 15 million people in this country have impaired hearing in one or both ears. About ½ million of them use hearing aids.

"Hearing," says Peter J. Mills, director of the foundation, "involves among other things medicine, psychology, and physics. It is the function of this laboratory to work on the physics or engineering angle of the problem, and to cooperate with the medical profession. The fitting of hearing aids, for instance, has not yet reached the point where aids can be prescribed like a pair of glasses."

In line with this policy, the building is fitted with an audiometer room, where hearing tests can be given.

Located at 3322 Dearborn Street, the Parmly laboratory was established through a trust fund left by the late Samuel P. Parmly, Chicago lawyer and businessman, who directed that the proceeds from this fund be used for the "prevention and alleviation of human deafness." Illinois Institute of Technology was chosen by the trustees of his estate as the most suitable location for such a project, and the laboratory building was completed in March, 1945.

Construction of the sound-proofed room itself was not completed until spring of 1946. Actually, there are no "sound-proof" rooms; there are rooms, however, in which the sound intensity is not measurable by any known means. The human ear, a rather sensitive sound perceptor as such instruments go, can detect sound energy of 10^{-16} watts per square cm. This illustrates the difficulty of building even a "quiet" room.

In an anechoic (echoless) chamber such as that built by the Parmly foundation, two problems are presented: transmission and absorption of sound The sound room rest upon 12 rubber pads on a floor of reinforced concrete; its walls and ceiling are one-inch sheet rock. The inner surfaces are entirely covered with sound absorbing acoustical elements—large wedges of fiberglass covered with muslin. The space occupied by these elements can be shown by the dimensions of the room—12 by 14 by 6½ feet; before they were installed the dimensions were 17 by 19 by11½.

"Silence" is a relative matter, according to Professor Mills. All the noise entering a room cannot possibly be eliminated, although a pretty good start in that direction can be made. The Parmly sound room walls produce a sound drop of eighty decibels—a reduction in sound energy of one hundred million times. The fiberglass wedges absorb 99.9% of the sound in the room above 165 cycles per second.

Man of the Week

I. C. Hamilton, Student Gourmet, Instructs Wife In Art Of Cookery

I. C. Hamilton's greatest virtue is that he is not a techni-slave (for your information, a techni-slave is the variety of meat-head who can't see beyond the end of his sliderule). As he puts it: "Though we have a technical school which seems to delve into nothing but the scientific aspects of our little world, we must realize that this is only one phase of our education. Instead of depending upon others to complete our education in so short a time, why not develop good habits of reading and curiosity to make up for this deficiency?"

Don't get the idea I. C. is a book worm (or a worm of any kind, for that matter) because he reads four books a week during vacation and two a week during the semester. He lists as hobbies: (1) his wife (this could stand clarification); (2) eating; (3) amassing a library; (4) reading. As for point (2), with him eating is more than a hobby—it's a life work. Not just plain gourmandizing, but specialization in Scotch dishes like banniks, dumplings with a thistle on top and brandy poured over (the thistle and dumpling are superfluous, but the sauce sounds good), or maybe scones. As you might have guessed, I. C. was born in Scotland,—Glasgow to be exact.

When asked his full name, he answered, "Let it go at I. C." At this our imagination ran amuck. We guessed that it might be Ichabod C. Hamilton or possibly Isopropyl C., and we didn't even guess what the "C" might be. Then a little bird told us the "I" stood for Ian. It's nothing to be ashamed of, son.

I. C., a citizen of Battle Creek, Michigan, graduated from Battle Creek high school. After graduation, he worked for a few years before entering the navy. He served as machinist's mate 1/c in the South Pacific until 1944, when he was sent to Alma college in the V-12 program. In 1945 he was transferred to IIT.

He hasn't spent all his time at Tech eating dumpling with "a thistle in the middle and the brandy on top," as he served as president of ASME, vice-president of ITSA, and house manager of Delta Tau Delta fraternity.

As for plans for the future, he hopes to build a home somewhere in Michigan for his wife, library, and himself.

ON THE TELEPHONE, TOO!

This is broadcasting as you see it.

What you do not see are the thousands of miles of telephone wire and cable that link broadcasting stations from coast to coast . . . that make national networks possible.

The administration of these vast broadcasting links requires the varied skills of college-trained men.

And this is but one of the many interesting phases of the telephone business. There's opportunity and adventure in telephony.

BELL TELEPHONE SYSTEM

Tunnel System Connects All New Tech Buildings

Upon completion of Illinois Tech's $15,000,000 post war building program, the IIT maintenance men will be able to traverse the entire campus, underground.

The Chemistry, Metallurgical and Chemical engineering building, and Alumni hall are linked by tunnels which are already in use.

The new buildings will be interconnected by means of the tunnel system to provide for transmission of a central heating system, central electrical power, telephone communication, and trash disposal. One of the most advantageous aspects of this system is the elimination of such embarrassing incidents as "little old faithful."

Behind a steel door on the west side of the basement of the Chemistry building lies one of these subterranean passages. This dimly lit pigmy corridor is about six and one half feet high and four feet wide and extends northeasterly to the low ceilinged basement of the Metallurgical and Chemical engineering building. The tunnel walls and floor are made of 12 inch concrete, except for one wall which measures three feet wide because of the electrical power cables contained in it.

One lone electric light bulb supplies the eerie illumination and weird shadows to be seen within this medieval looking passage with its maze of wires and pipes.

The tunnel from the Metallurgical and Chemical engineering building to Alumni hall is found after dodging and weaving northward through the labyrinth of pipes, machinery, and instruments in the basement of MC. This tunnel, similar to the first, is directed northward for about 80 feet and finds its way to the rifle range in Alumni Hall.

"Tunnels in the future will be more spacious than those at present because of their already proven convenience," said Walter H. Parduhn, superintendent of buildings and grounds. "Also," continued Mr. Parduhn, "the buildings will be equipped with higher basement ceilings to eliminate such discomforts as registered while walking through the basement of MC."

Record Vote Cast In Recent ITWA Council Election

Thirty-three percent of the women at IIT participated in the recent election of ITWA officers.

Newly elected council members are: Helen Tisky and Christine Miller, freshmen; Virginia Dorociak, sophomore; and Helen Hammer, junior.

The Illinois Tech Women's association includes all coeds as members. Its object is the promotion of feminine participation in Tech activities, leading to a well-rounded college education. At present, a bowling team is being sponsored by the ITWA under direction of sports committee chairman, Kay Komalick.

Techawk women are also being offered the opportunity to join one of two new glee clubs being organized under the direction of Mr. O. G. Erickson.

The women's glee club will meet in the women's lounge of Chapin at 11:00 a.m. each Tuesday until more suitable arrangements are made.

Officers elected at the last meeting were Maristell Dixon, chairman, and Hazel Johnson, librarian.

Kubicek Named Head Of Alumni Relations

Earl C. Kubicek, executive secretary of the Illinois Tech Alumni association, has been named the new director of alumni relations following the recent resignation of Bernard P. Taylor as assistant to the president. Kubicek will direct the annual Alumni Fund and handle all matters concerning alumni relations in addition to the duties with the Alumni association.

The weekly luncheon meetings of the Chicago Alumni association have been resumed and, as in the past, will feature many well known guest speakers. The luncheons will be held every Friday at 12:15 p.m. in the Georgian room of Carson, Pirie, Scott & Company and the price of the meal is $1.12 per person. The next meeting on November 7 will present Paul Sutton, Chicago district weather forecaster, as guest speaker. The topic of his talk will be "Modern Weather Service."

Pi Nu Epsilon Meets Friday

Pi Nu Epsilon, honorary musical fraternity, will meet tomorrow at 11 a.m. in the Music office, to draw up by-laws for the Alpha Chapter. This group is functioning as a chapter of a national fraternity for its first semester.

Plans for the ensuing season, and arrangements con-comitant with the Milwaukee trip of the musical organizations, will also be made at the meeting.

Two Newman Clubs Hold Benefit Dance

St. Xavier's College and IIT Newman Clubs are sponsoring a benefit dance at St. Xavier's college, starting at 8:30 p.m. on Friday night. The dance is stag at a dollar per bid, tax included.

Kenny Wood and his orchestra will play at this dance and all proceeds will go to the European Student Relief Fund. Refreshment and entertainment will be provided for those attending.

"All men of IIT are cordially invited to attend," said Bob Ricker, president of the IIT chapter. Tickets for the dance can be obtained from Charles Trost at either the *Technology News* office or the ticket booth in South Union.

St. Xavier's College is located at 4928 S. Cottage Grove avenue.

SAE Is Reorganizing

Bill Smart, president of the IIT unit, Society of Automotive Engineers, announced today that efforts have begun to reactivate the group locally. An organizational meeting will be scheduled shortly, and new members are being sought.

Students interested in joining SAE should contact Smart personally or leave their names in the office of the automotive lab.

An attendant is making an adjustment on the portable generator panel.

Generator Lights CB

The foresight of the maintenance department is responsible for supplying a large motor generator set which has been used to furnish electric power to the Chemistry building since the beginning of the semester.

The trailer, which is located at the southeast corner of the Chemistry building, contains a 25 KW A.C.-motor-generator set, driven by a four-cylinder, 900 rpm Le Roi gasoline engine. It is part of a mobile radar unit awarded to IIT by the War Assets Administration early last spring, and its present use is made necessary by the delay in installation of the new power distribution system.

The generator is in constant use 14 hours a day and provides about a quarter of the total expected load of the finished building. One man is engaged in continual maintenance and in supplying the 40 gallons of gasoline needed every day.

Mr. Walter J. Parduhn, superintendent of buildings and grounds, reports that he has had a number of offers of information and assistance from veterans who worked with the set during the war.

As soon as all emergency demands for the generator have been met, the entire radar unit, consisting of three trailers, is tentatively scheduled for erection in Ogden field by the electrical engineering department for use by various EE classes.

Alpha Phi Omega Sends Six To Urbana; Will Report On School Service Work

Twenty-two men have been pledged by Alpha Phi Omega, campus service fraternity. These men, all former scouts, were asked to join the group after they had indicated their sincere desire to render service in Alpha Phi Omega's projects around the school.

Illinois Tech's chapter of APO will be represented at the sectional conference in Urbana November 8 and 9 by four active members and two faculty advisers. These men will bring back to their chapter the ideas, activities, and projects of Alpha Phi Omega chapters throughout the Midwest. They in turn will report to the conference their own chapter's activities, which include freshman counseling and orientation, March of Dimes sponsorship, ushering at graduation ceremonies and special assemblies, and other service work.

ASME Ranks Still Open

ASME will continue to accept renewals and applications for membership until further notice.

Those men who have blanks for this purpose are: honorary chairman, Mr. S. E. Rusinoff; I. C. Hamilton, president; Hempel, vice president; Howard Husa, secretary; and Sam Curiale.

If the students among those named above cannot be reached, Mr. Rusinoff's office is located in 401 Physics.

CE Smoker Features Camp Armour Movie

Chi Epsilon, honorary civil engineering fraternity, and ASCE are co-sponsors of an all CE smoker to be held in the North Union tomorrow night at 7:30 p.m.

A color movie, "Camp Armour of Illinois Institute of Technology," will be the highlight of the evening.

These movies, narrated by Prof. John C. Penn, are to be shown throughout the country as part of IIT's student recruiting program.

The purpose of the film is to give a complete picture of life at the camp. Everything from washing clothes to the nearby wildlife will be shown in the film together with many phases of surveying studied by Illinois Tech students while at camp.

For the convenience of students having late classes Thursday afternoon, a cafeteria style dinner will be served at 6 p.m. The dinners are to be purchased in the regular cafeteria line and the group will then gather in the East Dining room.

Tau Beta Pi Adjusts Standards, IE's, Met E's Eligible For Election

Several important changes have been made in the administration of Tau Beta Pi, announced Grant L. Hansen, president of the honorary engineering association.

Hansen, who recently returned from the national Tau Beta Pi convention in New York, stated that he there became aware that his chapter set its standards quite a bit above those required by the national constitution. It is the purpose of Tau Beta Pi to mark in a fitting manner those who have conferred honor upon their alma mater by distinguished scholarship and exemplary character as undergraduates.

The IIT chapter this semester is bringing its membership standards closer to those of the national association. Henceforth, all students in the upper eighth of the junior class and the upper fifth of the senior class will be considered for election.

Tau Beta Pi's national constitution states that eligible students in any engineering curricula may be elected to the association. However, an individual chapter may choose to exclude from eligibility all students of a particular curriculum who, in the opinion of the chapter, are not engineering students.

In the past, Illinois Tech's industrial engineering, chemistry, physics, and mathematics students were so excluded from eligibility. Upon Hansen's return from the convention, a membership committee was formed to make a new study of the situation at Illinois Tech.

The committee recommended that the students in industrial engineering and metallurgical engineering, a new department, be admitted to eligibility for Tau Beta Pi. Although it was not so recommended for the physics, mathematics, and chemistry students, Hansen said, "The committee will accept petitions from groups of those students who believe they should be eligible for election." Members of the committee are Bill Smart, Jim Old, Warren Sommers, Ralph Anderson, and Grant Hansen.

New Members Added To Board Of Trustees

Six new members were named to the board of trustees of Illinois Institute of Technology at the board's recent annual meeting. They are: Charles H. Buford, president of the Chicago, Milwaukee, St. Paul, and Pacific Railroad company; Albert F. Hunt, vice president and director of Swift & Company; F. Howard Lane, of the Public Utility Engineering and Service corporation (Mr. Lane will represent the alumni of Illinois Tech on the board); Charles A. Liddle, chairman of the board, Pullman-Standard Car Manufacturing company; Stuyvesant Peabody, Jr., president of the Peabody Coal company; and Frank H. Lerch, Jr., president, Consolidated Natural Gas company, New York City.

MASTER'S DEGREE

(Continued from page 1)

in courses and on the final comprehensive examinations.

PEARCE DAVIS

Admission to candidacy for the degree will be based upon demonstration of superior ability in undergraduate work. New courses for this degree to be introduced by the department next September include among others: B.E. 593-594, seminar in engineering economics, B.E. 542, labor-management relations, B.E. 597, research project, and B.E. 443-444, accounting control.

Deficiencies Can Be Eliminated

Engineering graduates interested in this degree who have deficiencies in prerequisites may begin to eliminate such deficiencies in the spring semester of the current academic year.

The department's master degree program in business and economics has been developed for majors in this field and will permit concentration in special phases such as money, banking, finance, international economics, accounting, statistics, market analysis and development, business management, and industrial relations and personnel management.

Students interested in either of these graduate programs should confer with Dr. Davis, room 112 T.B.-1.

Engineering students who contemplate employment with governmental agencies, local, state or federal, will be interested in a new graduate program to be offered by the department of political science beginning in September, 1948. This department will offer a master's program leading to the degree of master of science in public engineering administration.

Professor Herbert A. Simon, chairman of the political science department, can supply information on this degree to interested students.

IAeS Will See Radio Film

The IIT student branch of the Institute of Aeronautical Sciences will see a film on radio-controlled aircraft at 11:00 a.m. tomorrow in 211C.

This group has recently obtained the services of H. C. Hawkins as faculty advisor. Mr. Hawkins was a member of the engineering staff at Bell Aircraft corporation.

High School Graduates Offered Feb. Admission

Qualified high school graduates have the opportunity to enroll at Illinois Tech for the February 1948 term.

Warren S. Sivertsen, director of admissions, stressed the fact that there are more openings in the February class than will be available in September. Approximately 300 students are to be accepted for the spring term.

Admissions office personnel are currently visiting alumni clubs throughout the country to enlist aid in securing out-of-town students. The new dormitories, scheduled for completion next September, will facilitate housing of non-resident students.

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Pal Hollow Ground has the "edge"

Techmen Talk

by Eugene R. Stanley

Question: Do you think that Illinois Tech should have a football team?

Henry Shipin, Jr EE:

"No doubt a team would be a morale booster. Being in competition with other large schools would also give us additional prestige. I don't believe that money should be invested in sports unless the return from the sports justifies the expenditure. If we do have a football team it should be a student function and not on a professional basis. This, perhaps, seems to be a reversal of opinion. That is, first, no investment unless there is a fair return; second, no team unless it actually is representative of the student body.

"Past history has shown that student teams have done very poorly financially—this could also be bad for morale. Nevertheless, unless these two ideas are reconciled I would not advise a team for IIT."

George Knackstedt, Jr EE:

"I think having a football team at IIT is a fine idea providing we go into the project in a big way. IIT is a top rated school and anything short of a top rate team would be detrimental to the school. College football today is a big business requiring large capital and many concessions and compensations to the individual player. The football players could not meet the present rigorous scholastic requirements and still play top ball. If IIT management is not willing to meet these considerations and many others, we should not have a team."

Jimmy Ladd, Soph FPE:

"I don't believe we should have a football team at IIT. The calibre football team which the school would desire would be too great for the material at hand. If we were to import football men of high calibre we would have to lower school standards in order to allow these men to pass courses. The time involved in training a football team of better than average capabilities would prevent the men from getting their studies and the cost would be exorbitant for the size of the school."

William Fitzgibbons, Freshman ME:

"Playing on a football team at a school like IIT would be very tough on the players since IIT's reputation hinges mostly on the scholastic standing of its students. Since many of the students are ex-GI's and many of them married their financial condition is such that they have to work part time. Playing football would use up any free time the players might have for additional earning power. Let the other schools draw students with their sports. Let IIT continue to draw its students through its high scholastic standing. A top engineer can always earn money during his later years while a football player's income is limited to his early years."

• Placement

The following companies have scheduled interviews with graduating seniors on the dates indicated.

Additions to this list will be published when available.

NOVEMBER 5
- International Harvester Co.
- R. R. Donnelley & Sons, Co.

NOVEMBER 6
- International Harvester
- Procter & Gamble Co.
- Wisconsin Power & Light Co.
- General Electric Corp. (Group Interviewed at 11 a.m. in A. H. instead of C. B.

NOVEMBER 7
- Seeger Refining Co.
- General Electric Corp.
- Sherwin-Williams Paint Co.
- Illinois Bell Telephone Co. (Movies and group interview at 10:00 a.m. in North Union auditorium

NOVEMBER 10
- General Electric Corp.
- Linde Air Products

NOVEMBER 11
- Linde Air Products

NOVEMBER 12
- National Aniline (Division of Allied Chem. & Dye)
- Barrett Division (Division of Allied Chem. & Dye)
- Paul E. Williams recruiting for:
  - DeVilbiss Corp.
  - Youngstown Sheet & Tube Co.
  - General Fireproofing Co.

Darling Will Speak On Labor Problem

M. F. Darling, labor executive, will speak on the subject "Labor Looks at the Taft-Hartley Labor Bill," in the North Union's East Dining Room Monday, November 17, at 6 p.m.

Mr. Darling is the secretary and business manager of the Electrical Workers' Union local B-1031 and is a convincing speaker on the subject of union management and legislation. He has definite opinions on the "communist affidavit" which labor executives are required to sign, recent "closed shop" legislation, and the voting regulations of the Taft-Hartley labor bill.

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Don't miss the Pigskin Prophet contest on page seven!

Six Techawks To Represent IIT Under Proposed NSA Membership

If Illinois Tech affiliates with the National Student association, at least six IIT students will have the opportunity to take part in the formation of NSA programs and policies each year. Under the NSA constitution, a system of proportional representation was devised which allows Illinois Tech three delegates and three alternate delegates at the annual national student congress. This group, which will consist of from one to seven delegates from each of the student bodies which are members of the National Student association, will meet annually at a prominent university campus.

At these annual meetings the delegates, in addition to forming NSA programs, will have the opportunity to enjoy the fellowship of campus ueaders from all over the United States. They will come back to their campuses with new ideas and plans obtained from fellow delegates to supplement the NSA programs of student benefit. During the period between the annual meetings of the national student congress, the Illinois regional assembly will meet several times.

In order to provide the programs contemplated, a need of financing NSA activity was seen by the delegates at the national convention this summer. It is an integral part of NSA policy not to accept donations or funds from outside organizations or groups. Therefore it was decided that each school would pay dues in proportion to its representation, and a similar method of financing regional activities was decided upon.

The dues from Illinois Tech to the national organization will be $128, or approximately four cents per student. In our case the money would be provided by the ITSA fund, which is formed from the student activity fees. The regional dues have not yet been decided upon but will be from one quarter to one half of the size of the national dues.

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Kolloway To Speak At Sports Smoker

White Sox Star And Varsity Matches Head Alumni-Honor I Program

Don Kolloway, star second baseman for the Chicago White Sox, is to be a guest speaker at the second annual Alumni-Honor I Sports Smoker. Don, a local favorite on the after dinner circuit, will lead an open forum discussion of the personalities and lore connected with the national pastime. During this forum he will attempt to answer any question asked by the audience having to do with baseball, either technical or general.

The smoker is to be held on campus Wednesday, November 19th. It is open to all members of the student body and alumni who are interested in athletics, either actively or as spectators. It is being co-sponsored by the Alumni association and Honor I. Acting as co-chairmen are John T. Even of the Alumni association and Warren Sommers, president of Honor I. John Schommer, IIT athletic director, is the honorary chairman.

Festivities will begin with an alumni-varsity basketball game in the new gymnasium at 5:30 p.m. A buffet supper will be served in the new dining room in the North Union building beginning at 6:30 p.m., later the well-fed group will retire to the auditorium above to witness the program for the evening.

In addition to the aforementioned Kolloway there will be six athletic contests. These will consist of two boxing bouts, two wrestling bouts, and two fencing matches. The members of these three squads are working vigorously with a view to being selected as contestants for the big night. Bernard "Sonny" Weismann, assistant athletic director, has arranged for a professional referee to officiate the boxing and wrestling matches.

The dinner and program will cost $1.85. Students may obtain tickets at "Sonny" Weismann's office or from any member of Honor I.

This event is an outgrowth of the old father and son dinners at Armour Tech. It is wider in scope, however, being open to anyone interested in attending. It is designed to bring older athletes from both Lewis and Armour together with present team members. For the alumni it also provides an event differing from the annual alumni reunion dinner. It is, furthermore, in line with the program for interesting the student body in the activities of the Alumni association.

The original event last year was a huge success. But judging from the early response, this year's affair will be even bigger and better.

Fencers Book Three Meets

Illinois Tech's fencing team, formed last year, is now rapidly gaining popularity here.

Hoping to better their first year's record, the team now has meets assured with three schools—Culver Military Academy, a junior college, LaGrange Junior college, and the University of Chicago. These are home to home meets and make a total of six meets scheduled. Exact dates have not been announced as yet, and there are several other teams from whom a reply has not been received. The total number of 14 meets is expected.

The swordsmen are headed by Harry Peyser, who started his fencing career at Austin High school in Chicago and continued at King's Point, N. Y. at the United States Merchant Marine Academy.

A good three-weapons man, and aided by a staff of six, he supervises the training, organization and meets for the team.

Two weeks ago, the fencing club invited the presence and participation of women interested in this sport. The group re-extends this invitation and announces that the time and place of the next meeting will be published in the Tech Timetable soon.

Sports Personality Of The Week

By Ben Sutton

Jim Gibbons, better known as "Red," is a rabid sports enthusiast. He began his athletic career at De La Salle high school where he played both football and basketball.

Jim Gibbons

"Red" first entered Tech in September of 1941. He played two seasons of basketball and was eagerly looking forward to winning a major I. In March of 1943, however, he entered the army.

Jim served with the 319th Engineers of the 94th Division in the European theater. While advancing toward the Rhine river he received a serious head wound. Jim lived through the experience, but it put a permanent finish to his competitive athletics.

He returned to IIT in March of 1946 with his school and team spirit still intact. Last fall "Red" became manager of the basketball squad. He turned in such a good job and so enjoyed being so close to the game that he has returned to the post this fall.

In recognition of his spirit and determination Jim is being pledged to Honor I this week. With regard to school spirit, "Red" hopes that the presence of the new gymnasium will encourage the student body to attend the team's home basketball games.

Jim's extracurricular activities include a term as vice-president of his freshman class. He is a third year mechanical engineering student. He dislikes office work and hopes eventually to become a maintenance engineer.

Techawks Outscore Loyola, But—

The valiant Techawk thinclads ran three tortuous miles against cold winds and through a driving rainstorm. Their times were better than had been expected and they totaled 44 points to Loyola's 15. There was one fly in the ointment, however.

Cross-country is a cousin to golf in the respect that the low score wins. Each man scores according to the position in which he finishes. Thus the winner counts one, the runner-up two and so on to the last man.

"Sunny" Jim Sauer led the Techawk warriors across the finish line. He was only 32 seconds behind the winner, but he placed sixth as the well conditioned Loyola squad finished en masse. The next red-shirted runner to come in was "Wild" Bill Cahill who placed eighth. He was followed closely by Eric Paulsen, Dick Durand, and Dave Miller in that order.

The spikemen go against the Navy Pier branch of the University of Illinois today. Encouraged by their times in the Loyola meet, they are working hard to improve their condition. Paulsen, "The Flying Smorgasbord," is running hard to catch Sauer. The team as a whole is expected to make a good showing against the Piermen.

A SUCCESSFUL PARRY as Harry Peyser and Melvin Balikov attempt to kill one another.

Everything 'New' For Cagers As Season Opener Approaches

By Jim Wangersheim

"New" is the word. Not "Noo," or "Nu," but just plain old "New." They're all using it, and how can they help it, when talking about Illinois Tech's basektball situation for the 1947-48 season.

To begin with, the Techawks are boasting a "new" coach in big Ed Glancy, who in turn is installing a "new" system. All the home games will be played in the "new" gymnasium, and practically all the faces will be "new" to most of the fans.

Glancy, a former star in the East, took over as head coach of the cage squad in June, and with the beginning of the school year in September, proceeded immediately to line up his prospects. He refused to begin the task, without the administration promise of allowing a freshman team, which incidentally, ranks as another "new" on our list, and probably one of the most important ones. You gotta start at the beginning, and that spells Freshman in our book.

With the introduction of the famous "fast break" type of offense to the Techawk squad, Big Ed again crashes into the new column. Long a practice among the high scoring Eastern quintets such as Rhode Island State, the "fast break" offense often produces scores of adding machine proportions. To put it in Coach Glancy's own words, "Why work for the points, when you can get there first, and score them easy."

I hope we're not creating the effect that Glancy expects a successful season, since his attitude is quite emphatic, that the prospects are not too bright. This is not just the typical college coach's pre-season wail, but he feels sure the squad will not experience too much difficulty in bettering last season's tragic record of four wins, and 14 losses.

Only four members of last year's squad have survived the axe, but fortunately, all four are lettermen. However, only two have shown enough to capture definite starting berths. Capt. Bill Smart, a perennial high scorer, who plays just like his name indicates, has responded remarkably well under the new offense, and will hold down one of the forward spots, while Carl Bergstrom, the 6-foot 3-inch center will play at the pivot position.

The two remaining lettermen—"Swede" Swanson, and Johnny Fleck—are battling a group of promising sophomores and freshmen for the other first-string positions.

Wrestlers Schedule Meets, Prospects Good

Six definite and four tentative matches are slated for varsity wrestlers this season.

Scheduled meets are: November 19, three bouts at the Alumni Smoker; December 6, University of Illinois (Navy Pier); December 13, Bradley; January 10, University of Chicago; January 16, Navy Pier; February 28, Wheaton Invitational. Matches with Beloit, De Kalb, La Grange, and a return with Chicago remain tentative.

Prospects are good for a successful year according to Coach "Sonny" Weissman. Any regular making a good showing in competition will enter the Interstate championships, March 12-13, 1948 at Cleveland's Case Institute.

Anyone interested in filling the heavyweight positions still open should see Coach Weissman immediately.

Breaks Down Jr. Juicers Win; Seniors Tie

Gremlins, Archs Replay; Other Games—Rain

The "rains came" to IM football last week as a deluge flooded viaducts, gutters, and converted the Ogden field Dust Bowl to a slimy pigpen. Even so, IM gridders managed several games near the end of the week with the Jr. Juicers winning and the Frosh Independents and Sr. Juicers Battling to a tie.

Glancing at the standings we find them almost unchanged due to the forced inactivity of most of the teams. The idle Senior Mechs and the Jr. Gremlins remain the leaders of the American and National leagues, respectively.

Some snappy ball handling and passing was exhibited on a soggy field by both the Jr. Juicers and Frosh Independents with the Juicers coming out on top 14-7. The Juicers led by Chuck Futterer and Ken Turner struck swiftly for their scores and successfully fought off the threats of the Frosh.

The same Frosh Independent team returned to Ogden Field and squared off against the Senior Juicers with slightly better results. They tied six and six as the Senior Juicers ball club rallied to score on the game's last play. A disappointed Independent squad seeing their "cinch" victory blow up in their faces smothered the extra point try.

A disputed play, leading to an upheld protest, has necessitated a reply to one of the hardest fought games of the tournament so far. It seems that the referee's whistle sounded just as a Gremlin lateralled to a team mate. Hearing the whistle the Soph Archs stopped play. The Gremlin, undaunted, continued on to the two yard line where he was finally tagged by a Soph Arch. The referee then changed his decision, making the play good to the two. The Gremlins then scored the touchdown that proved to be the margin of victory. In view of the importance of the play in question to the outcome of the game it was decided that the only solution was a replay.

Intramural football has brought forth several outstanding players. Lee Jacobsen, forward passer for the Freshman Gooks, was center on the Nebraska "all state" high school team. Milt Weinberg of the Junior Gremlins played first string guard for Lane Tech's North sectional champions a few years back. Ray Bulka, also of the Gremlins, never played in high school but looks good enough to make any football team. In the intrafraternity league the Pi Kap team looks big enough to play line for Minnesota.

The smile on Ed Glancy's face lately is due to the improvement in the basketball squad. Our cage mentor no longer dons his obituary column look when speaking of the possibility of a victory here and there.

Alice Smart and Beverly Bergstrom needn't worry about their respective husbands being unshaven any more. Bill and Carl just received a year's supply of Pal Blades for being sports personalities last year. They'll be sharp from now on!

The fencing team has attained intercollegiate status this semester. Three meets have been scheduled with other schools and more are pending.

The "White Collar Girls" are debating whether or not they should enter their volleyball team in the intramural tournament. There's no reason why both the secretaries and the ITWA shouldn't. With a little practice they could probably beat several of the male teams entered.

The sports staff has been trying to think of an appropriate name for the new gymnasium but so far has been stymied. Any suggestions would be welcome.

John Schommer has promised that there will be bleachers in the new gym, fire regulations permitting. Its news we like to hear but they will have to get here quickly in order to be used for the first home game.

Ed Glancy is still receiving letters from his former basketball and baseball players of St. Raphael's Academy, a token of his popularity with his men there.

The athletic department is attempting to get insurance for men participating in intramural athletics. It's a good move! From the looks of the interfraternity games to date it would be a wise move on the part of the interfraternity council to follow suit.

Pi Kap Yellowjackets Take Lead With 9-0 Win Ower Daedalians

Triangle's Red Horde Trounces Praetorians 36-6

Wilson Leads Alpha Sigs To 13-0 Win

With Interfraternity football swinging into its third week of play, the Pi Kaps loom as the team to beat. Sparked by Ross, a speedy runner and accurate passer, and bulwarked by a heavy line, the Pi Kaps have won their first two games. Triangle, led by Lee Jacobson and Jim Krause, has come up with a fine ball club. The rest of the teams are of equal caliber.

IF play has been marked by furious blocking, accurate passing and long runs.

In games this week Pi Kappa Phi defeated the Daedalians 9-0, Ross' 20 yard flip to Bill Roberts providing the deciding tally. Marv Cohn's deadly passing proved too much for the hard fighting Delts, as Rho Delta Rho nipped Delta Tau Delta in a hard fought battle.

Lee Jacobson passed to Jim Turner twice and Dini once for touchdowns and ran for a fourth. Krause's wide end sweep brought the lopsided final score to Triangle 36, Praetorians 6. This game has been protested, but the decisive margin of victory indicates that Triangle will experience little difficulty in winnng any re-play. The protested play was a safety ruling when a kickoff was touched in the playing field but not recovered before it went out of the end zone.

Alpha Sigma Phi, defending champions, were nipped by the Daedalians in a 2-0 contest, but came back to defeat the Phi Kaps 13-0 on Harvey Wilson's 20 yard toss to Jack Smith. Wilson ran 30 yards for the Alpha Sigs' final touchdown.

Sigma Alpha Mu pulled a surprising upset in defeating a highly regarded Theta Xi team 6-2. The game was marked by the brilliant defensive play of both teams. The entire score consisted of safeties, two coming on blocked punts.

Bowling Results

Team	Won	Lost
Cid Kids	13	5
DoNots	10	8
Wizards	10	8
Acorns	9	9
Missalots	8	10
Have Nots	8	10
Gutterhits	7	11
Safety Pins	7	11

High Team Series, Wizards 2639
High Team Game, Wizards 970
High Individual Game, Eric Anderson 276
High Individual Series, John Spix 588
Frosh Sohp

Frosh Soph Play Friday

The Frosh-Soph football game to be played Friday, November 7 at 11 o'clock shapes up as the football game of the season. The game will be played on a 100 yd. field, with a two handed touch halting play. Each team will have four downs in which to gain 20 yards.

The Freshmen have come up with some excellent material. Bob Volpe, Joe Bass and Lee Jacobson will handle the passing. Lee Jacobson was selected as an All-Star center from Nebraska in his senior year. Lee Richards, former Pittsfield, Penn. grid flash, and deceptive Bruce Tennant, Howie Gardner, Ray Van Zelst, Mel Timmons, and Wes Ooms will provide this trio with a series of capable receivers. Bill Martinsek, ex-Alden Tech tackle, Earl Pridmore, Ray Raftery, Bill Comis and Dick Davoust form an aggressive hard-charging line. Bob Volpe's educated toe will handle the kicking duties for the Frosh team.

The Sophomore attack will center around Charlie Futterer's bullet-like tosses to glue-fingered Dave Miller, and big Paul Peterson. Larry Shapiro and Bill Wageck will provide a speedy ground attack to supplement Futterer's short flips. Bob Jonelis and Jack Hoff are expected to star in the line.

Pigskin Prophet Entries Break All Previous Records: Purdue And Columbia Score Upsets To Mar Perfect Card

We don't like to continually start out bragging...oops, there goes another button...but, when the number of entries approach 500, we just gotta keep shouting.

As we sat at the typewriter trying to refrain from boasting, this thought hit us, and we had to pass it along to you. It's hard to realize it, but it's true. Pigskin Prophets has drawn more entries each week than the class elections draw votes each year. All we've got to say about it, is thanks a lot for your swell cooperation.

The same Green Bay Packers whose battle with the Chicago Bears attracted a record breaking number of entries for last week's contest, will return to the Windy City this week, and pit their title hopes against our Cardinals. To the winner of this week's contest, will go the privilege of witnessing this outstanding grid battle from 45 yard line seats, with the compliments of *Technology News*, and Chesterfields.

Bill Riley, a senior mechanical from Berwyn, walked off with the two tickets from the Los Angeles Ram-Cardinal tilt, by picking ten winners out of 12. Missing only Columbia's stunning upset over Army, and Purdue's "hocus pocus" over the Illini, which we all admit was highly excusable, Riley had nerve enough to stick with Southern Methodist over UCLA, and call Northwestern's Mastery over Bo McMillan's Hoosiers. He was indeed conservative in naming Michigan's supposed rout over Minnesota, and gave the Texas Longhorns a two-touchdown margin over Rice.

It might be interesting to note that "Monk" Molitor, a junior metallurgical was "crazy" enough to pick Purdue over Illinois, while Bob Newton, a sophomore ME picked Lou Little's Lions to spill the Black Knights of the Hudson. Our guess is that they accidentally marked the wrong side of the ballot. Unfortunately they couldn't get together on the same card, and both thought Michigan would "slaughter" Bernie Bierman's Golden Gophers . . .

Following closely behind Riley with nine winners out of 12, was Don Arenson, second place winner who received a carton of Chesterfield cigarettes.

The next 11 winners who also received Chesterfield cigarettes were P. Conway, S. Doppelt, B. Toberman, E. Anderson, B. McGinnis, J. Zelenietz, R. Marz, H. Franks, Warren Brockmeier, H. Gost, and W. McDonald.

1. Pick the winning team in the first 10 games, and the probable scores in the remaining two.
2. 1st prize, two tickets to the Chicago Cardinal-Green Bay Packers football game, 2nd prize one carton of Chesterfields; 3rd prize 5 packs of Chesterfields, and 3 packs for the 10 next entries. As many entries as desired may be submitted.
3. All entries must be in the box by 5:00 p.m. Friday afternoon. *Technology News* staff members are ineligible.
4. In case of tie, insert "T" in both spaces.

Pigskin Prophets

1. N.U. ( ) at Ohio State ( )
2. Iowa ( ) at Wisconsin ( )
3. Indiana ( ) at Michigan ( )
4. Georgia Tech ( ) at Navy ( )
5. U.C.L.A. ( ) at Oregon St. ( )
6. Washington ( ) at Calif. ( )
7. Baylor ( ) at Texas ( )
8. S.M.U. ( ) at Texas A&M ( )
9. Wake Forest ( ) at Boston College ( )
10. Dartmouth ( ) at Columbia ( )

Probable Scores

11. Army ( ) at Notre Dame ( )
12. Virginia ( ) at Penn. ( )

Name .....Dept.....

Address .....

"I'll read the last line first—it says Dentyne Chewing Gum."

"My eyesight may be weak, but I can always see Dentyne. It stands right out for flavor. Yes, sir, Dentyne Chewing Gum's in a class by itself for refreshing, long-lasting flavor. And it sure helps keep teeth white, too!"

Dentyne Gum—Made Only by Adams

Transformer Breaks Down

Of Smoke In Kitchen Firemen Find Source

Fire engines pulled up in front of the North Union a week ago Sunday to mark the beginning of a three day orgy of power line repairing. Permanent results include a hatchet scar on the south door of the former bookstore, and three new transformers on the pole north of the Physics building.

At about 6 p.m. an odor of smoke set the watchman in search of the trouble; however, his efforts proved fruitless. The next step was to call "Fire 1313," and before anyone realized it, there were firemen searching the premises. The bang of a hatchet sent the watchman scurrying with the keys for the new conference room, but no fire was found here. The search ended at the refrigerator motor in the kitchen; it was motionless, but smoking and hot.

"A three-phase motor will not run on single phase current" explained Walter J. Parduhn, buildings superintendent, who had rushed down to school to remedy the trouble. The real difficulty was a breakdown in an outdoor transformer, so the main switch had to be opened.

But this was not the last of the trouble. Again Mr. Parduhn was called to the Institute, this time at 5:30 a.m. because "we can't get any heat in the Physics building." Opening the main switch had shut off the condensate pump on the steam system. The Edison company was immediately called, and had installed a temporary remedy before classes commenced Monday morning. However, the permanent repair, which necessitated a lowering of the pole and replacement of three transformers, was not completed until last Wednesday.

Chess Club Is Victorious

Illinois Tech's newly formed Chess Club obtained its first victory of the semester in a practice match with Roosevelt College. The score was Techawks, 4; Roosevelt, 3.

TECH TIMETABLE

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

WEDNESDAY, NOVEMBER 5

- Mech. Colloquium, 8 p.m. North Union auditorium
- Newman Club, 5 to 6:30 p.m., North Union lounge
- English Dept., 4 to 5 p.m., Executive Conference room

THURSDAY, NOVEMBER 6

- ITV, 11 a.m., 111C
- Hygiene, 11 a.m.
- ASCE Smoker, 7:30 to 11 a.m., North Union lounge
- Pi Nu Epsilon, 11 a.m., Music office
- Dramatech, 11 a.m., 102C
- IAeS, 11 a.m., 211C

FRIDAY, NOVEMBER 7

- Newman Club, 7:30 p.m., St. Xavier's college
- Pi Tau Sigma, 6:30 to 10 p.m., North Union lounge, Faculty lounge, Faculty grill
- Chess Club, 4 p.m., South Union lounge
- Ill. Bell Telephone (seniors), 10 to 12 a.m., North Union auditorium

MONDAY, NOVEMBER 10

- Tau Beta Pi, 5 p.m., 305M
- Integral pictures, all day, North Union auditorium

TUESDAY, NOVEMBER 11

- Kiva, 11 a.m., North Union auditorium
- Alpha Phi Omega, 11 a.m., 108C (Pledge Meeting)
- Physics Club, 11 a.m., 207P
- Integral pictures, all day, North Union auditorium
- Eta Kappa Nu, 5 p.m., 132 TB 1

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which extends from 31st to 35th street and from Michigan avenue to the New York Central railroad tracks.

Favorable consideration of the request in the student petition would alleviate many transportation difficulties now confronting students, staff, and visitors of Illinois Tech, its research foundation, and its other educational and research units in the area.

I shall certainly appreciate any attention you may be able to give this matter.

Henry T. Heald, President

Seniors Must Order Class Rings Friday

Seniors of the February graduating class will have one more opportunity to order class rings and keys.

The 4A senior class has received a shipment of keys and rings, and orders made last June will be filled next Monday from 11 a.m. to 2 p.m. in the South Union lounge. New orders will also be taken at this time.

"If you are graduating in February, and desire a class ring or key," explained Jack Pomon, ring committee chairman, "this is your last chance to place an order."