

ANYONE WHO STAYED away from the 1947 Junior Week because he was sure it would be "the same old stuff" no doubt was quite shocked came Monday morning. This year's Junior Week doings were just plain unconventional.

For instance, would you expect to see a burlesque show in the old Armour Mission? Last week there was not only burlesque in the Mission, there was burlesque squared, i.e., burlesque of burlesque.

And would you expect the stodgy, serious-minded Mathematids Club to place an entry in the Turtle Race? They not only entered a terrapin but it is rumored that they had little "Zeno's Paradox" up to the wee hours every night last week pounding into him that, "The shortest distance between two points..." so with such tutelage what could he do but win for the Math Club.

A year ago the Institute had only a few foreign students. Comes Junior Week and the infant Foreign Students Association takes first prize in the student activities Open House displays competition.

Perhaps the spunkiest exhibition was tiny reactivated Delta Lambda Xi's entry in the Interfraternity Sing. Surrounded by fraternity choral groups numbering 40 or 50, the six voices of Delta Lambda Xi let it be known that they were in there from now on.

The crowd of over 2000 people which viewed the instruction and well-planned departmental exhibits was given a fine impression of the vast and varied work of IIT. The time and energy spent on these displays was considerable and the interesting portrayal of departmental activities is of great credit to those who planned, purchased material for and cut classes to assemble the various exhibits.

Recognition for the fine job done on the festival can only be given on a blanket basis. To the scores who worked directly and indirectly under Pat Vedel and Bob Guthrie the student body, faculty, and school owe a sincere debt of thanks.

The choice of the Man and Woman of the Year was about as expected. There were some who bemoaned the fact that the selection of IIT's "Queen" was limited to Techwomen, but I think Tech can stand up to almost any school with the selection of a gal like Raleighnae Patterson. If IIT is to have an expanded women's program we have to treat right the ones we do have.

Wit Kosicki's selection as Man of the Year marks the pinnacle of a storybook college career. He has done a fine job in everything he has put his hand to and has worked hard for the student body and the school. His trophy acceptance speech at the Jubilee Ball epitomized, I think, IIT's trend and his ambition, "that Tech is regaining its old spirit."

Zmeskal Announces New Curriculum for Metallurgy Dept.

The proposed curriculum of the newly formed department of metallurgical engineering was published this week by Dr. Otto Zmeskal, its director. The department will occupy its new quarters in the Metallurgy building upon its completion, which is expected before September of this year. Dr. Zmeskal said the department will have 12,000 square feet of classrooms and laboratories, which are to be the finest and most thoroughly equipped in the United States.

The curriculum will consist of eight terms which will carry a total of 146 semester hours of credit. The first and second terms will be composed of the standard engineering curriculum offered for the freshmen. The third and fourth terms will consist primarily of two semesters

Top Techawks



MAN AND WOMAN OF THE YEAR—Voted as the outstanding seniors, Raleighnae Patterson (l.) and Wit Kosicki (r.) were presented with trophies and other awards at Golden Jubilee Ball last Friday.

Virgil E. Gunlock to Speak at Tau Beta Pi Honor Assembly

Tau Beta Pi, national honorary engineering fraternity, will sponsor an all-school award assembly on Friday, May 2, at 11 a.m. Outstanding sophomores in the various engineering departments will be presented with awards by Chi Epsilon, Eta Kappa Nu, Phi Lambda Upsilon, and Pi Tau Sigma. Undergraduate pledges to Tau Beta Pi will be presented immediately after the awards are given out at the beginning of the program.

Virgil E. Gunlock, Commissioner of Subways and Superhighways of the City of Chicago, will be the featured speaker. He will discuss problems he has encountered in his engineering work on the Chicago Subway system. John J. Schommer, head of the placement bureau, will introduce the guest speaker.

Mr. Gunlock, who had gained extensive experience in directing the construction of large sanitary system tunnels, was chosen to direct the construction of the first section of the Chicago subway tubes.

As Commissioner of Subways and Superhighways since June, 1945, Mr. Gunlock has directed the preparations for and the resumption of construction of the Milwaukee Avenue - Dearborn Street - Congress street subway, which is scheduled to be in operation within two years.

Along with that activity, Mr. Gunlock has also directed the completion of preliminary plans for two major subway extensions, the West Side Subway, and the proposed Washington Street and Jackson Boulevard streetcar subways across the Loop, as well as preparations for the construction of an initial 35-mile superhighway system for Chicago.

Students work in calculus, general physics lecture and laboratory, and organic chemistry. Also offered in the third term will be quantitative analysis and an English elective, while in the fourth term the first treatment of metallurgy will be given which will consist of general metallurgy lecture and laboratory, along with statistics.

The fifth and sixth terms will consist primarily of two semesters (See METALLURGY DEPT., Page 8)

ChE and Metallurgy Departments Will Occupy New Building

In a statement to *Technology News*, Mr. Raymond J. Spaeth, treasurer of Illinois Tech, today outlined the arrangements of facilities in the new permanent buildings now being constructed on the campus.

The largest of the new buildings is rising on the west side of State street, and will house the chemical engineering and the metallurgy departments, Mr. Spaeth said. The first floor, assigned to the chemical engineering department, will contain an auditorium type lecture room seating 220 persons. Special features of the auditorium include a complete public address and movie projection system, enclosed in a theater type projection booth.

Greatly expanded laboratory facilities include a catalysis lab, a plastics lab, a fuel and oil lab, and six research labs for graduate students, in addition to a three story chemical engineering unit operations laboratory along the entire north end of the building. Offices for members of the department, a conference room, and four large class rooms are also included in the architectural plans. An innovation of the class rooms will be the use of con-

Army Selection Board To Interview Graduates

A United States Army selection board will be at Illinois Tech this Thursday to interview June graduates concerning Army commissions. Interviews will be held in Dean white's office, 2nd floor SU.

Men who held Army commissions during World War II are eligible to receive commissions of the same rank as that held at the time of discharge under the new selection program. A preliminary meeting was held here last week explaining the advantages and opportunities of a career in the Army.

"Pat" Patterson and Wit Kosicki Receive IIT Popularity Awards

Class Activities, Leadership and Personality Are Bases for Choice

Pre-Register For New Terms

Pre-registration for both the summer and fall terms must be completed by students planning to attend either term before May 17, it was announced by the registrar's office today.

Techawks planning to attend either or both of these sessions should submit a tentative enrollment card stating the subjects they intend to take and the credit hours for each to their departmental counselors for approval. The cards are to be left with the counselors who will turn them over to the registrar's office. Students failing to comply with this procedure will be penalized by not being allowed to register until the regular registration period is over. Cards must be in the registrar's file at the beginning of the term indicated on them and they will not be accepted from the students personally.

Mimeographed copies of the courses to be offered this fall and of the class time schedule of the summer courses are available at the registrar's office, as are the enrollment cards. The cards are easily identified, the summer term cards being buff colored, while the fall term card is printed on green paper.

Dean Peebles has stated that Dr. Pearce Davis, chairman of the department of business and economics will act as a pre-registration counselor to all engineering students who are taking a management option. He added that Dr. Davis has volunteered to help any student who needs advice on his liberal studies electives.

4Bs to Hold Smoker In SU This Friday

The 4B Senior class will hold a smoker this Friday evening it was announced today by Bill Ponton, social chairman. The smoker, to which all members of the class of January '48 are invited, will begin at 7:30 p.m. in the SU lounge.

Comedy and sports movies will highlight the evening's entertainment. Cokes, potato chips and cigarettes will be served free of charge.

In announcing the event, Ponton stressed that the smoker will afford an excellent opportunity for members of the 4B class to gather and become better acquainted with their classmates.

Two of IIT Faculty on Air

Professor John Ahern will be heard on Bob Elson's "On the Century" radio program tonight at 6:15 p.m. He will discuss fire protection with Elson over a nationwide hook-up heard in Chicago over WBBM.

Dr. Edward Wagenknecht was a guest on the June Baker radio program last Friday at 10 a.m. Miss Baker interviewed him concerning his latest anthology, "Fireside Book of Ghost Stories."

As winners of Junior Week's top awards of Man and Woman of the Year, Raleighnae Patterson and Wit Kosicki were presented with the prize trophies at the Jubilee Ball last Friday night. Both winners were chosen by a great majority in the popular ballot by the student body.

Raleighnae or "Pat" as she is known, graduated from Morgan Park High School and entered IIT at the Lewis Branch. While there she was very active in the Home Economics Club, a charter member of Kiva, a member of Kappa Phi Delta sorority and treasurer of the Sophomore class. She continued her activities on the south campus and is a member of the Pan-Hellenic council, senior representative of the ITWA council and is president of her sorority. A major in Home Economics, Pat is planning to be a dietitian.

Equally as colorful a record is possessed by Wit Kosicki. Wit graduated from St. Theresa High School in Detroit. He came to George Williams College from the Navy and entered the V-12 training unit there in 1943. He transferred to IIT in 1944. He became president of the sophomore and junior classes and is now president of the graduating class. He has served on the Honor Board and ITSA and has been both news editor and associate editor of *Technology News*. Through his work on the paper, he became a member of Pi Delta Epsilon, National honorary journalism fraternity. As an EE, Wit is active in the AIEE and is a member of Rho Epsilon, the radio engineering fraternity. In addition he is a member of Delta Tau Delta.

4B's to Order Keys, Rings Next Week

Arrangements for ordering graduation rings and keys by members of the class of January 1948 have been completed according to Robert Huelsman, ring committee chairman of the 4B class.

Deposits on jewelry should be made at the booth which will be set up in the SU lobby from Monday, May 5 to Thursday, May 9 and open from 10 a.m. until 2 p.m.

Prices for rings will range from \$13 to \$19 and keys \$7 and \$9, tax excluded, said Huelsman. He also urged class members to order jewelry at this time as the class will receive a handling charge for all jewelry sold at the booth next week.

TECH TIMETABLE

Items appearing in the Tech Timetable are those which have been scheduled with the Dean of Students' Office.

WEDNESDAY, April 29

Biology Movies, 1 p.m., auditorium

Alpha Chi Sigma, 5 p.m., 405M

FRIDAY, May 2

Honor Assembly, 11 a.m., auditorium

B & E Club, 11 a.m., 208C

Chess Club, 5 p.m., WDR

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Member, Associated Collegiate Press

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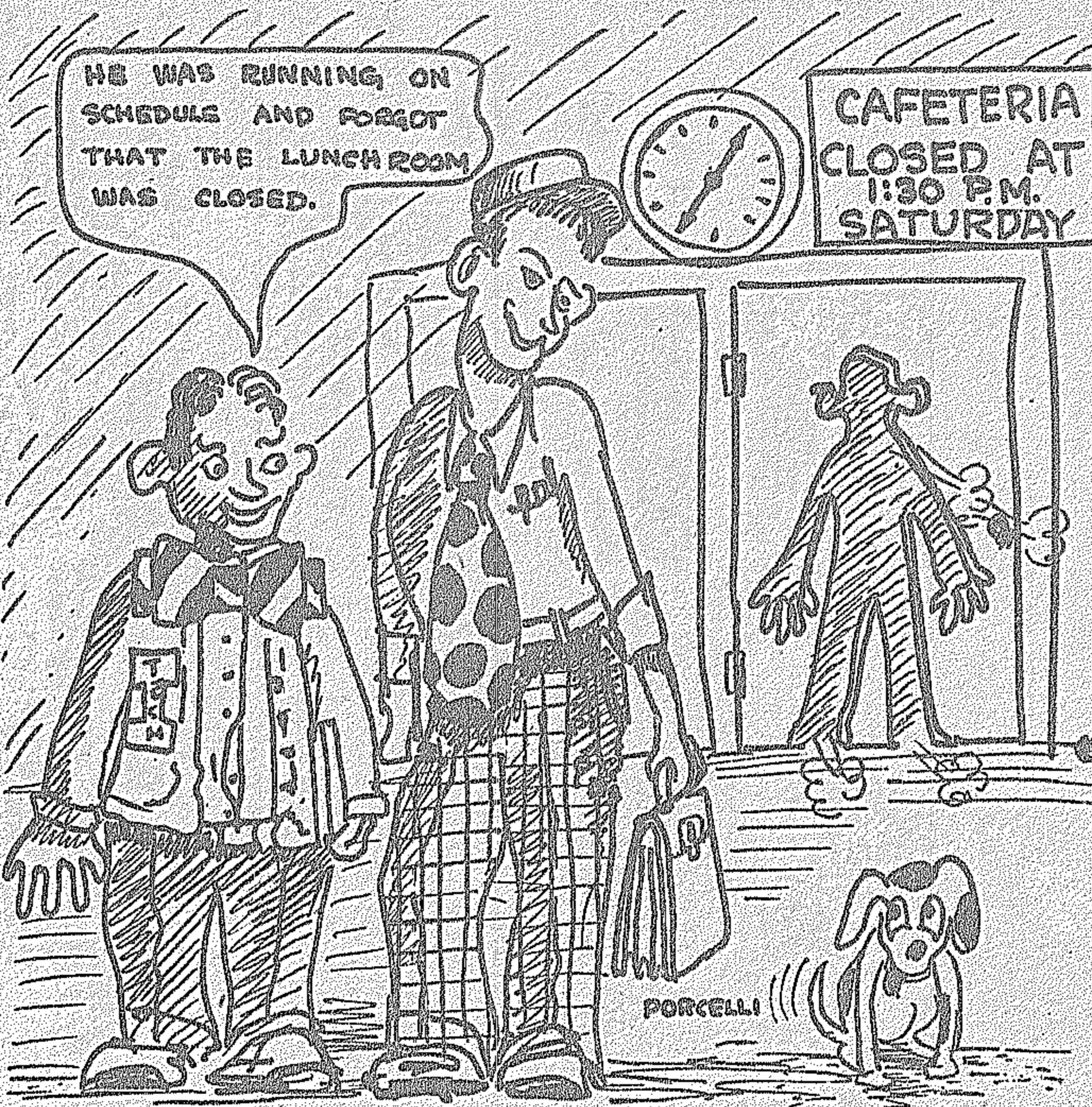
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"Open the Door, Richard!"



While looking through a recent publication, we ran across a startling bit of information, namely, the cause of petrified forests. According to this astute paper, they are caused by the wind which makes the trees rock.

—IIT—
Soph: "What kind of oil do you use in your new car?"
Senior: "What?"
Soph: "What kind of oil do you use?"
Senior: "Oh, I usually start off by telling them how lonesome I am, and then..."
—IIT—
EE: "I usually take only experienced girls home."
She: "But I'm not experienced."
EE: "You're not home yet either."
(They laughed at this in 1936, so there's no need for you to

be proud.)
—IIT—
Male editor: "You've been a stenographer for about all the big guys in this building now."
Female editor: "Yes, I guess I'm on my last lap now."
—IIT—
Question: "Why are a CE's eyes like a sparrows?"
Answer: "Because they fit from limb to limb."
—IIT—
Eager: "What is meant by college bred?"
Cynical: "College bred means a wad of dough, with plenty of crust, and a lot of crumbs gathered together for a good loaf."
(See SLIPSTICK, Page 5)



If we forget ourselves and begin to dig up unlibelous, non-scandalous material, just remember we're new on the job. The regular Digger hasn't been seen since last Wednesday evening, when he was hovering on the edge of the SU balcony, preparatory to leaping for a bright red balloon. This is Digger, Jr., speakin'.

Not many Techawks saw the little drama recently enacted on 33rd street, when Bill Sirvatka was chased all the way down to La Salle and given his second birthday kiss of the day by a very well-known young (?) lady (?) on and off the campus. Bill refused to relate all the details. All he would say was, "And I have another birthday next week!"

Every now and then Johnnie "Shoulders" Williams' eyes light up for a period of two or three days. Most people dismiss this as evidence of cocaine addiction, but the Digger knows better. These periods coincide with the appearances of his woman from the U of I, whose name he won't reveal even to his closest friends. In the fall, Johnnie is leaving IIT for the Champaign campus. Pretty good industrial engineering course down there, he says.

Like a faithful little lamb Tony "103 pound ball o' fire" Lameika can be seen following Marlys Hewitt about the campus at all times of the day or night. One of the more scrupulous laddies of the region, Tony's intentions seem somewhat obscure by his sly, knowing smile. However, he reassured Digger Jr. that when he walks down the aisle (theatre, that is) he will be marching with his better two-thirds.

Digger, Jr., takes pride in the results of a recent campus poll, which revealed that more low-grade morons read the Steamshovel than any column of its kind in the country. Now, let's get some students to read it!

The Spoon

Fraternities and Sororities

Delta Tau Delta
At the mixed military ball recently held in the Delt house Bob "Scooner" McClain's treasure hunt and the social committee's decorations added up to what was considered the fraternity's most successful event of the semester.

The next social event on the calendar is a house-party which will be held next Saturday. The Deltas are also planning the annual May 10 Founder's Day Stag. All alumni in the vicinity will be invited.

Phi Kappa Sigma
The Skulls and their dates attended a "Pirate Party" last Saturday night under the captaincy of the "Gangplank Walkers." Besides dancing, the members were treated to a floor show emceed by Bob Mielke. Several sequences for the coming fraternity movie were taken.

Plans are now under way for the tubbing of Bill Ponton next Monday after the election of next semester's officers. Icy water will mark the official end of Bill's powers as the semester's head of the chapter.

Sigma Alpha Mu
Prior Lee Schlesinger announced appointments to the SAM social committee for the 1947-48 school year. Stu Schlesinger, Julien Labow, Don Gimpel, Sid Doppelt, and Marshall Stein.

The new committee is starting to work immediately on a social to be held May 17 at the Winnetka Community House. It will be an informal party featuring music by "Jukebox Wurlitzer and his round, fist fellows." Refreshments will be served under the supervision of "Gourmet" Gimpel.

Rho Delta Rho
Ralph Solomon, the Rho Delt social chairman, indicated that the fraternity's Splash Party at the Sovereign Hotel next Saturday is expected to draw at least forty couples. It will be one of the Rho Delt's main activities for the term.

Now that the Rho Delt has captured the Fraternity Ping-Pong championship, their athletic chairman Marv Cohn is enthusiastically rounding his charges into shape for the coming baseball tournaments. Marv announced last week that he already has at least one good man for every position. Practice is held daily.

Faculty Facts . . .

by Don Goldsmith

Dr. Pierce Davis, Chairman Business and Economics Department

Although Dr. Pierce Davis scorns as trite the phrase "labor of love," it seems to be a good description of his attitude toward his work as chairman of the Business and Economics department. He is firm in his conviction that if our society is to develop we need more leaders; these leaders must have a greater economic understanding. Dr. Davis and the B&E department are working toward promoting this understanding.

Rapid progress is being made toward Dr. Davis' goal of making the IIT B&E department one of the best in the United States—the faculty has been enlarged and improved, the curriculum has been revamped, and the plans of study have been streamlined. But Dr. Davis is planning even more changes in the near future, which include the following: adoption of a five-year course leading to a BS in any type of engineering and a master's degree in B&E; enlargement of the Graduate Division of Economics; and bringing more outstanding economists to IIT.

Though he taught at George Washington University, was Chief Instructor of Economics at Harvard and later at Radcliff College, and then assistant professor of economics at Hunter College, teaching at IIT has

been a new and pleasant experience for Dr. Davis. He indicated that, "The veteran students are most interesting—they are serious, skeptical, mature, and hungry for knowledge. The average ex-GI seems to have an excellent consciousness of America's role in international affairs, and a real interest in democracy."

Dr. Davis received his BS from the Wharton School of Finance and Commerce. He then received his MS from George Washington, having attended on a Sanders Teaching Fellowship, and finally in 1938 he received his PhD from Harvard.

Most of his work during the war was concerned with formulating wage rates. During the period from 1943 to 1946 he alternated between departments of the War Labor Board and National Meat Policy Commission, serving as co-chairman of the latter organization.

If anyone has a cabinet that needs refinishing, or some eighteenth century furniture that they want to dispose of, Professor Pearce Davis is the man to see. His Connecticut home is antique enough to make anyone from Louis XIV to Duncan Fife turn green with envy.

Open That Door!!

From present indications it appears that class schedules next fall will have to be about the same as this term. The temporary buildings will serve only to absorb the overflow of the present cramped quarters. It is also evident that the much-debated and often-hated institution of Saturday classes is here to stay, for next term at least.

The student body has generally accepted this as a necessary evil and is putting in its six-day week resignedly. There has been strong and justifiable complaint, however, that units supplementing the academic program are not doing the same. On a Saturday afternoon one can pick a classroom at random and it is almost certain that a class or lab will be in session. To get food, graph paper or reference books is another story.

The Library closes its doors to scholars at 12:30 p.m. and unless you hit the Bookstore and Cafeteria by 1:30 you can wait until Monday. To our way of thinking as long as classes are in session students are deserving of the complete facilities of the Institute!

Admittedly, a Saturday afternoon crew would put the school's five-day work week out of balance but it seems feasible that a proper rotation of working days would remedy this. And if the administration should feel so moved, students with 8 o'clock classes would undoubtedly be very happy also to see the Bookstore open at 7:45 instead of its usual 8:15 or thereafter.

Members of the Bookstore, Library and Cafeteria staffs, who have in general rendered fine service, this suggestion will no doubt go over like a lead balloon but it is our feeling that a conscientious student body should be served fully.

Comments and Compliments

The fire and flurry of Junior Week has subsided, but what cannot easily be forgotten is the spirit of the occasion; or most of all, the enthusiasm with which the preparations for Junior Week were undertaken.

The way all the events were so well-synchronized and planned by co-chairmen, Pat Vedel and Bob Guthrie.

Recognition should be given to some of the active committees and their chairmen: activities committee, Marlys Hewitt; IFC committees, Roy Nordlander; host, Shirley Langgill; open house, Ken Turner; social activities, Chet Schiemer; awards, Gene Rezabech; publicity, Pat Kennedy and safety, Howie Smith.

The senior burlesque was ably handled by Bob Bushelle, Rocky Sprague's model airplane show went off with a roar, the concert in jazz, directed by Don Friedlen was pretty sharp, and John Sachs broke the tape to a successful interfraternity track meet.

Most of the students and visitors that went through the many open house exhibits saw everything from a stroboscope in action to a Japanese blue print. The various departments and the Armour Research Foundation deserve credit for their great contribution to Junior Week through the elaborately prepared exhibits.

Finally, if it hadn't been for the dance band of Homer Wickham, the publicity department with Kay Meister and Wayne Adamson, the cooperation of the mimeo department under Miss Brown and the many others that helped, the affair could not have created the fine success it did.

INFORMATION FOR FREE

Mistakes can be tragically permanent and in newspaper work they can also be tragically libelous. Many an editor has found himself rocketed into another profession by lapses in copy and proofreading.

Some time ago "Editor and Publisher," journalism's top trade magazine, published an article dealing with mistakes that have appeared in various periodicals throughout the country. Generally these errors fall into three classes: ambiguity, make-up, and typography.

One doesn't have to be a low-class moron to appreciate ambiguous errors that may pop up in headlines, stories or advertisements—but it certainly helps.

For instance, there was the story that appeared on a society page that related a trip taken by a dignified matron. "After touring the Caribbean," solemnly reported the paper, "Mrs. Blimpy Build put into Newport News aboard the S. S. Leaky tub . . . Before leaving port she had her bottom scraped."

Headlines that innocently hint of darker things have been one of the trying ordeals of copyreaders. Such a head might say:

ILLINOIS TECH WOMAN IS HIGH IN EGG-LAYING CONTESTS.

OR
OPA SAYS ALL MUST STICK TO CEILINGS.

Unwary reporters who fail to develop their facts are another cause of gray hairs, says "Editor and Publisher." There was the sports writer who wrote, in a moment of anguished impulse: "Sutton raced up the field with the goal at his mercy but lost his head and kicked it across the field." Another reporter mixed up his negatives and wrote: "Girls are wearing nothing but stockings for the duration."

Even the great and near-great are victims of the ambiguous word or sentence. A famous woman columnist traveler, and statesman of sorts, once injected this note into her column: "After supper with the men, we went back to dress."

Want ad errors and display ad mistakes are the delight of proofreaders who spend the day slaving over a hot pencil. Even the latter have failed to catch a few slip-ups that are rapidly becoming classics in the newspaper field. For instance, such an ad might read: "Women's Bathing Suits, 20 Percent off," or "Modern Hotel, Reasonable Rats" (a letter deleted). Among the magnetic want ads which no doubt inspired quite a bit of response were: "For Sale—Man's large desk, secretary with drawers," and "Attractive Room—Everything furnished. Venetian Blinds."

Make-up has been a particularly lusty source of newspaper errors. Don't laugh when Jimmy Yancey's picture (he's the jazzman who wandered the piano keyboard at the jazz lectures last term) pops up over Dr. Hayakawa's caption. Worse things have happened.

There was the headline error of the death of a Kentucky horseman which appeared directly over the picture of a man held on serious moral charges. The head read:

NOTED BREEDER PASSES AWAY.

On the story side it was once reported that "Miss Rallynay Patorton of Ridge spent the week-end with oil burners cleaned, repaired and installed."

Another society story went through the rigamarole of wedding story without mishap. But towards the end a fatigued reporter observed that "As this aggregation has an immense amount of stuff to unload, no parade will be held."

So the next time you stop to gloat over a wayward fact in your newspapers, pity the poor editor who retired to a quaint shack in the Ozarks when this was published:

"Mr. B--- is the son of the late Mr. B---, who was a noted breeder of cattle and of Mrs. B---."

Martin Gabriel, Man of the Week, Active in ASME, Technology News

Martin Gabriel, eighth term ME, was one of the few students entering high school who knew what career he wanted to follow. In eighth grade he took an aptitude test and was told that he should study engineering. This test evidently proved

to be accurate, as Marty's 2.4 average will testify. Though he had to cram his undergraduate program into three years of school in the accelerated war-time curriculum he has compiled a well-rounded list of extra-curricular activities.

Marty's work in college journalism was foreshadowed by his activities in Morton High School where he won a trip to Washington D.C. for his prize-winning essay on democracy. There he was a member of the Senior Honor Society, and president of the Future Craftsmen of America, a vocational organization.

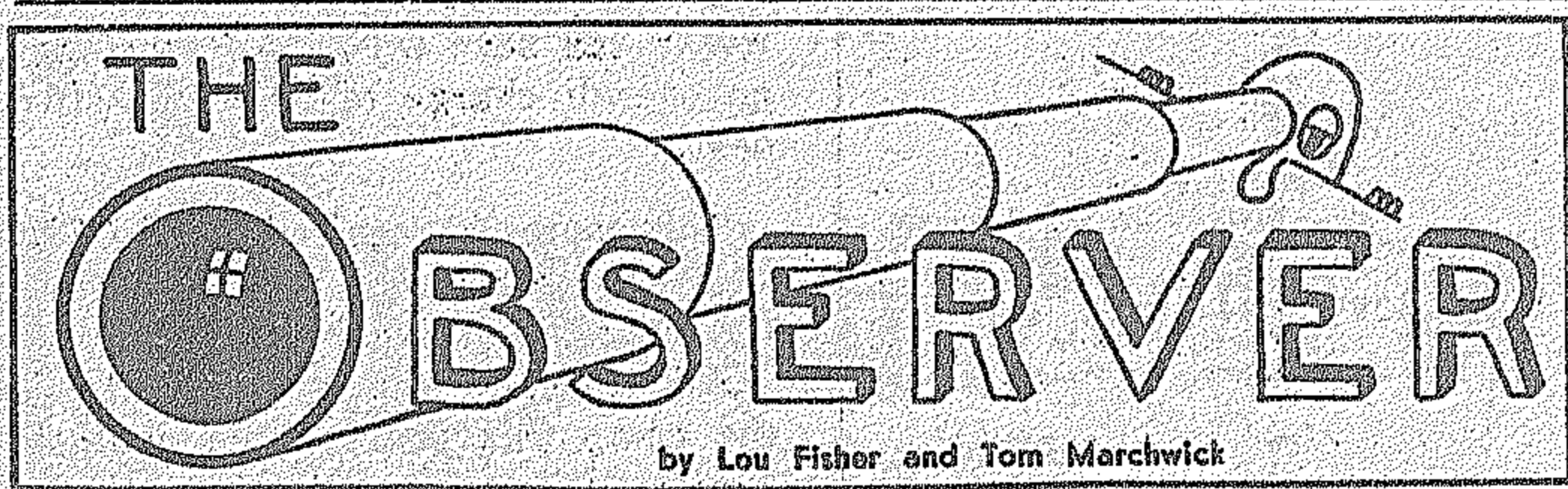
After coming to IIT in 1944, Marty became a member of *Technology News*, starting as a reporter and remaining on the staff for seven semesters. Formerly news and fea-

ture editor, and now managing editor, he was also given a chance to display his journalistic abilities when he served as editor of the Interfraternity Handbook. He was elected to Pi Delta Epsilon for these journalistic activities and is now vice-president of that organization.

During one of his infrequent vacations, Marty has worked as a draftsman, having been closely allied to the Technical Drawing Department throughout his stay at IIT; for the past several semesters he has been working as one of the technical assistants.

Marty is a member of Tau Beta Pi, engineering honorary, Pi Tau Sigma, mechanical engineering honorary fraternity, and Triangle. His interest in engineering led him to join SAE, and also ASME of which he is now vice-president.

His plans for the immediate future aren't too definite. He indicated that he would like to get some practical experience and then return to IIT to study for his MS degree.



Are Engineers Educated?

How many of us have ever stopped to consider the small number of educated engineers leaving our technical schools today? That is, engineers educated to comply not only with the technical necessities of the engineering profession, but to have so broadened their social and cultural perspectives as to warrant the most complimentary term in society—the professional man.

What must be the underlying differences between the professional engineer and a capable industrial draftsman? Surely it isn't technical ability, for the first thing we really learn at school is how little we know, while in a comparable period a young man studying a trade can have risen almost to journeyman level. Also, it cannot be either native intelligence or a broad knowledge of the technical field concerned, since in a short time the engineer becomes as specialized a member of industry as any of his fellow workers.

Where, then, do the differences lie? Primarily in two factors latent in most of us: first, imagination, which requires the ability to translate a specific technical problem into a solution, the idea for which may not have been obtained as a result of limited technical experience; and secondly, assimilative ability, the ability to make decisions on the basis

of related previous experiences.

Probably the most important attribute of the professional engineer is his capability for leadership and cooperative action. This capability requires a development of broader social perspectives that include a greater understanding of society. How are these qualities developed if not in our technical classrooms? The development must take place in each individual, with direction by capable teachers.

There are few instructors in any of the liberal arts courses given to engineers who can, solely by virtue of their instruction, bring a sincere student anywhere near the ultimate described above. All they are capable of accomplishing is directing the student on the proper road to his further development—for his own good.

In these considerations lie the benefits of the liberal work engineers study at IIT, without which the eventual intellectual growth of the student even in his own field must reach an impasse.

Tom Marchwick

Problem Corner

Readers are welcome to submit problems of a mathematical or technical nature to this column. Answers must accompany all contributions.

"Are those your children that I hear playing in the garden?" asked the visitor.

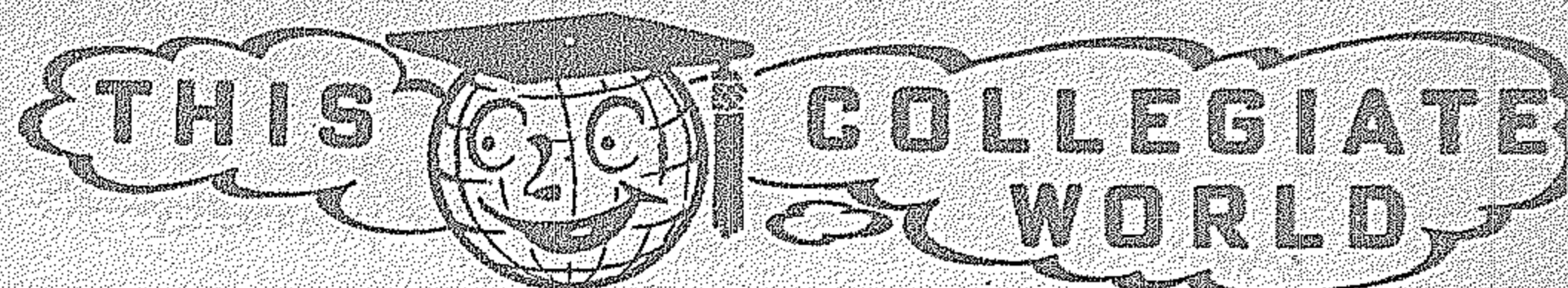
"There are really four families of children," replied the host. "Mine is the largest, my brother's family is smaller, my sister's is smaller still, and my cousin's is the smallest of all. They are playing drop the handkerchief" he went on; "They prefer baseball but there are not enough children to make two teams. Curiously enough," he mused, "the product of the numbers in the four groups is my house number, which you saw when you came in."

"I am something of a mathematician," said the visitor, "let me see whether I can find the numbers of children in the various families. After figuring for a time, he said, "I need more information. Does your cousin's family consist of a single child?" The host answered his question, whereupon the visitor said, "Knowing your house number and knowing the answer to my question, I can now deduce the exact number of children in each family."

How many children were there in each of the four families?

This problem was designed by Dr. L. R. Ford

The answer will appear in the following issue.



by Dave Pasik

While a mad dog was doing his best to disturb the academic atmosphere of Clarkson University, Dr. Waltz, unable to rout the animal from his classroom, continued the lecture. The dog, unswayed by words, dashed around banging into the walls, tables and chairs, while howling and screeching. Then, after laying quietly at the foot of a desk for a while, it broke into another fit and started frothing at the mouth. With a burst of courage, Dr. Waltz chased the dog into an adjoining office, where it died before the end of the period.

One of the hazards to be reckoned with when cutting classes at North Texas College is the new institution known as the "roving classroom." Students "absent" from studies may be confronted by their classes and professors at almost any time. The idea stems from a Spanish teacher's feeling the need of practical conversational Spanish which could be best learned in the business and social life of the campus rather than in the classroom.

This headline in the *Hampton Script* attracted a good deal of attention: "Moron Assumes Duties as Business Manager." It wasn't a joke, for the new head of finance at Hampton is Alonzo G. Moron. This is no run-of-the-mill "moron," either, for he holds degrees from the University of Pittsburgh, Brown University, and the Harvard Law School.

As far as we are able to determine no *Technology News* reporter has ever dared to match the feats of a student in Journalism 232 at North Texas College. Unable to submit a story for the week, he turned to the tradition of "a good reporter makes his own news," and took his life in his hands by asking a coed in his class to marry him. The girl actually gave her consent to a three-hour engagement—just long enough for the story to make the deadline.

"It gets pretty discouraging when your son is bringing home the best marks," say the married veterans at Duke University. One student complained that his son was making A's and B's at a nearby school, while the best he could do was maintain a C average. The veteran said: "He now sits at the head of the dinner table, reads the paper before I do, and chooses the radio programs. It's demoralizing!"



(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.)

Letter to the Editor: School Spirit

A growing realization of the low morale present in students at Illinois Tech was finally crystallized at the recent "Spring Concert" by the Musical Clubs. The particular incident of concern was that of the concluding number, the "Alma Mater," for which only twenty persons in an audience of 450 had enough respect to stand.

Respect for the school song is just an outward expression of the respect one has for the school he attends. If he has no respect for its song, can a student have any respect for its teachings? Can he have respect for anyone—even himself? I think not, and my disgust grows daily for those persons who believe that all they come to school for is calculus and chemistry, and "how to work a slide rule in ten easy lessons." These are the students who never attend any school functions and who often remark that they'd rather be found dead than do so.

Is it not time that the administration realize that the social attitudes with which an institution of higher learning should impregnate students are just as important as the trade school knowledge it dispenses? Is it not time that the students themselves realize that now is the time to polish up their social graces for which an industrial world has as much respect as it has for technical abilities?

William F. Andrews

Eighthtermism:

I note with glee an invitation to me. You ask for the honest unprejudiced opinions of your readers. I am therefore sending to you this message of truth, if not wisdom. Please excuse the poor typing which I am doing with my own little, pudgy, dimpled hands.

When Adam was a boy, he said, "I want the Earth," and the Lord gave it to him. That was not nearly

so great an indulgence as yours when you gave space to the clumsy babblings of the "HAUGHTY" author of "Eighthtermism." Didn't you read the proofs that week? Or have you decided to rule the mental life at IIT by editorial edict? When Adam took a wife it was the first woman he came to; purely out of necessity, you know. What excuse have you for your choice of material?

The article on "Eighthtermism" was not only not necessary, it was a troublemaker. Had the object been to antagonize the students, *Technology News* could not have gone about it in a more effective manner. When a man has just been deprived of a loved and treasured privilege it is neither clever nor helpful to tell him "YOU HAD IT COMING! YOU ASKED FOR IT! I THINK YOU SHOULD LOSE YOUR PRIVILEGE!" Why, you almost sounded happy.

That was when I began to compare the editors of *Technology News* to Adam. Adam was the champion in every event. He had to be. He lived in a world all by himself. Your "Eighthtermism" might well have gone unchallenged for the same reason.

Let the officers of the school set forth the school's reasons and edicts. They have the authority. You don't have to sell us their decisions.

James S. Olsen

Ed. Note: TECHNOLOGY NEWS is honored that Reader Olsen should compare it with Adam, the father of many wonderful things. Close inspection will reveal that advertising is carried only on news, feature, and sports pages.

Electronics and Communication Lab One of IIT's Best Equipped

by Wm. Jenkins

The new Electronics and Communications laboratory in the Main Building which recently has been completed was planned and designed by Rodolfo M. Soria, instructor in electrical engineering, with the aid and assistance of the other members of the electrical engineering staff. The laboratory, which is under the general supervision of Mr. Soria, occupies the space that was previously allotted to the Illinois Tech library. It was placed under construction following the abandoning of a similar laboratory maintained at the former Lewis Institute. The Lewis laboratory, which was the larger of the two, had a capacity of 300 students, whereas the present space can accommodate but 75 experimenters. The need for such a construction arose when the Lewis campus was closed during June, 1945.

The design called for a floor space of three thousand square feet, "Which" according to Mr. Soria, "is quite inadequate when we realize that the basic requirement for a complete electronics and communications laboratory set-up, including space provisions for basic electronics, radio, television, industrial electronics, ultra-high-frequencies, illumination, electronic measurements, and graduate research is approximately twelve thousand square feet.

"At present, by allocating the main floor space to the undergraduate students enrolled in the communications and electronics courses and by confining the activities of graduate students to a balcony in the northern section, maximum use is made of the available space." At the present time there are about fifteen graduate student projects being undertaken with new ones start-

ing almost daily. The balcony set-up is especially convenient for the graduate students as their equipment can be left assembled for continuous use.

The undergraduate experiments are planned and the required equipment is designed by the instructors, while the actual building is performed by laboratory technicians and student assistants, chief among whom is Mr. C. W. Benz, the only full-time employee in the laboratory. The undergraduate student assistants work eight hours per week and, in addition to the duties mentioned above, they help rebuild special devices which are not ordered from manufacturers.

The laboratory is equipped with two test tables 27 feet by 6 feet, and one 27 feet by 3 feet. Each consists of two working sides and can accommodate four or five groups of four men each. The table tops are of masonite with a grounded copper sheet underneath, the latter affording a maximum of shielding to the tests in progress. The tables are equipped with polarized outlets under the tables, and alternating current outlets running the length of the table. The polarized outlets are connected to a general distribution panel which has provisions for 115 volt direct current, 230 volt single phase alternating currents, and also 230 volt, three phase alternating current.

Dean J. D. Larkin Announces 1947 Rhodes Competition

As the local representative of the Rhodes Scholarship Trust, Dean Larkin has announced the opening of the 1947 competition for appointments. Candidates for these Oxford University scholarships must have completed at least two years of college work and must be between the ages of 19 and 25. Also a high scholastic record, together with exceptional personal qualifications are essential.

The awards for 1947 are for 500 pounds per year for two years, with a possible extension through the third year. Those interested should see Dean Larkin, 113C.

Plan Two Sessions At Camp Armour

Professor John C. Penn last week announced that the final plans for the CE summer camp had been completed.

He said that this year due to the increased enrollment the camp would take care of nearly its maximum capacity. The number of applicants this year is almost double what it has ever been before. As a result, Camp Armour at Trout Lake, Wisconsin will be, for the first time since its inception, split up into two six week surveying sessions.

In charge this year will be Prof. Penn, who will be assisted by instructors John Butkus and Ray Sauer. Those students who have been assigned to the first section will register on Wednesday, June 11 and leave for camp June 13. This group will be in session until July 25.

The second section will register on July 23 and leave for camp on July 25. They will receive instruction until September 5.

The tuition for the five hour lab course is \$63 while board for the six weeks has been set at \$70, making an overall charge of \$133 per student.

This course is required of all CE's who have completed at least three terms and is optional for ME's.

All students who wish to attend the camp this year should contact Professor Penn immediately as there are only a limited number that can still be accommodated.

200 Candidates Take IIT Scholarship Examinations

Almost 200 candidates for scholarships from Chicago area high schools took a series of examinations at IIT on Saturday, April 19. The number is expected to reach 225 when complete reports are available on the number who took the examination in out-of-town high schools. Of this number approximately 60 will be asked to appear for personal interviews.

Selections for the 16 scholarships to be awarded will be made on the basis of both the tests and the interviews. One award by the Ekco Company is of \$700 a year for four years, a total of \$2800. The other 15 awards are tuition for two semesters. All are applicable to any department.

The tests, which lasted four hours, were conducted by Dr. Krathwohl, Director of Tests for the Institute of Psychological Services, and were in three sections: Mathematical Aptitude, Psychological, and High School Achievement.

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VARSITY SPORTS TIME TABLE

- Tuesday
Baseball, IIT vs. DePaul
- Thursday
Baseball, IIT vs. George Williams (there)
- Friday
Baseball, IIT vs. Chicago (there)
- Saturday
Track, IIT vs. Bradley U. at Peoria, Ill.
Tennis, IIT vs. Bradley (there)
Golf, IIT vs. Indiana State Teachers

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Junior Week is Great Hit with Tech's Visitors

Warm Weather, High Spirit, Make All-School Festival Successful

by George O'Brien

Now that the 40th annual All Awards Junior Week in history, there may be some who missed the highlights of student activities while engrossed in "department-hopping" during Open House. For them and for posterity here is a resumé of the feature events.

Ten and eleven o'clock classes were on edge on Wednesday morning as the senior faculty baseball game started things for Junior Week. The seniors, winning the game by 13 to 5, were challenged by the White Collar Girls. 13-6 was the final score when the girls left the field, the undisputed champs in the panic circuit.

The Senior Burlesque will be long remembered as one of the best shows of Junior Week. The auditorium was literally packed to the rafters when the "Lovely Loreleis" paraded their charms, and the crowd was held laugh-bound when the burlesques on burlesque were presented. So many "unmentionables" were thrown around that the auditorium may have considerable difficulty getting back to its business as a respectable lecture room.

Another "best" was the Junior Week Informal. As for few other free, all-school dances, the turnout of dancers was amazing. A drenching rain gave relief from the day's heat and made things more comfortable in the auditorium where Homer Wickham and his band were giving their best, and in the cafeteria where refreshments were being served in a carnival atmosphere. During the intermission Sheldon Hayes mysteriously pulled shreds of neckties and other things from unexpected places in a very entertaining magic show.

Thursday morning, Ogden Field was a scene of fractured balsa and exhaust fumes, as the Model Airplane Club tried to get into the air. There will be parts of broken propellers on the field for many months to come for many a bad crack-up occurred. When a model did get into the air it was a real show of U-control ability.

The Concert in Jazz will go down in IIT history as another of its great

Lovely Loreleis



BEAUTIFUL BUBBLES float in the hands of chorines Norm Reisinger, Kurt Kuhnle, and Hans Nord at Senior Burlesque last Wednesday. The show, which was one of the highlights of the 1947 Junior Week, played to a packed house.

events. Emceed by Dave Garroway of the 1160 Club the concert was a real representation of jazz. Jim Wangersheim put the audience in the mood for the blues and boogie with his rendition of "Honky Tonk Train." Roosevelt Sykes took over the ivories and Danny Overbea, the guitar in a real show of jazz. Sarah Vaughn gave a classic performance in singing "Don't Blame Me."

In the Interfraternity Sing held last Thursday night, Delta Tau Delta won with their "Delta Shelter," and "Here's to Good Old Delta." Alpha Sigma Phi's presentation of "Smoke Gets in Your Eyes," and "Within the Misty Circle" was runner-up in the annual singing competition.

Friday morning the freshman-sophomore game was played, the sophomores winning by 13-11. The sophs got a head start in the first innings but the last three in-

(See AWARDS, Col. 4)



JUNE GRADUATES

Seniors receiving fellowships or other provisions for graduate study at any college or university, are requested to give their names to Dean White this week!

SLIPSTICK

(Continued from Page 2)

There was a little lawyer man, Who gently smiled as he began Her read, dead husband's will to scan And thinking of his coming fee, "You have a nice fat legacy" Next morning as he lay in bed With plasters on his broken head, He wondered what in H--- he'd said.

—IIT—

IE: "Why is a clock like a vain pretty young lady?"

ME: "I dunno?"

IE: "Because it's all face and figure and has no head to speak of, is very hard to stop after it is wound up, and has a striking way of calling attention to itself every hour of the day."

—IIT—

ChE Prof: "You should have been here at 8:10."

ChE: "Why? Did something happen?"

—IIT—

She: "Joe has false teeth."

He: "Did he tell you that?"

She: "No, it came out in the conversation."

—IIT—

Friend: "I see by the paper that nine professors and one student were killed in a train wreck today."

Student: "Poor chap!"

—IIT—

Here is a clincher for all those who moan about corn.

BE: "Who's that fellow with the long hair?"

AE: "Oh, he's a fellow from Yale."

BE: "Of course, I've heard quite a bit about those Yale locks."

Had Enough?

Awards Given for Activities And Displays at Jubilee Ball

(Continued from Col. 2)

nings were used well by the freshmen to catch up on their back runs. The final score indicates that the freshmen will be required to wear the traditional green beanie and as soon as they can be ordered they will go on sale.

From the many entries in the turtle race, the Math Club's "Zeno's Paradox" came out the winner. A statement, translated from the Calculus, was given by the winner in which he said that his quickie course in geodesy and his warmups on a slippery table in the electricity lab were the determinants of his victory. The winner of the first heat, he nosed out Salamander's "Sally," and tied with the swimming team's "Puddles." Running off the dead heat gave Zeno his identity as the champ of the slower set.

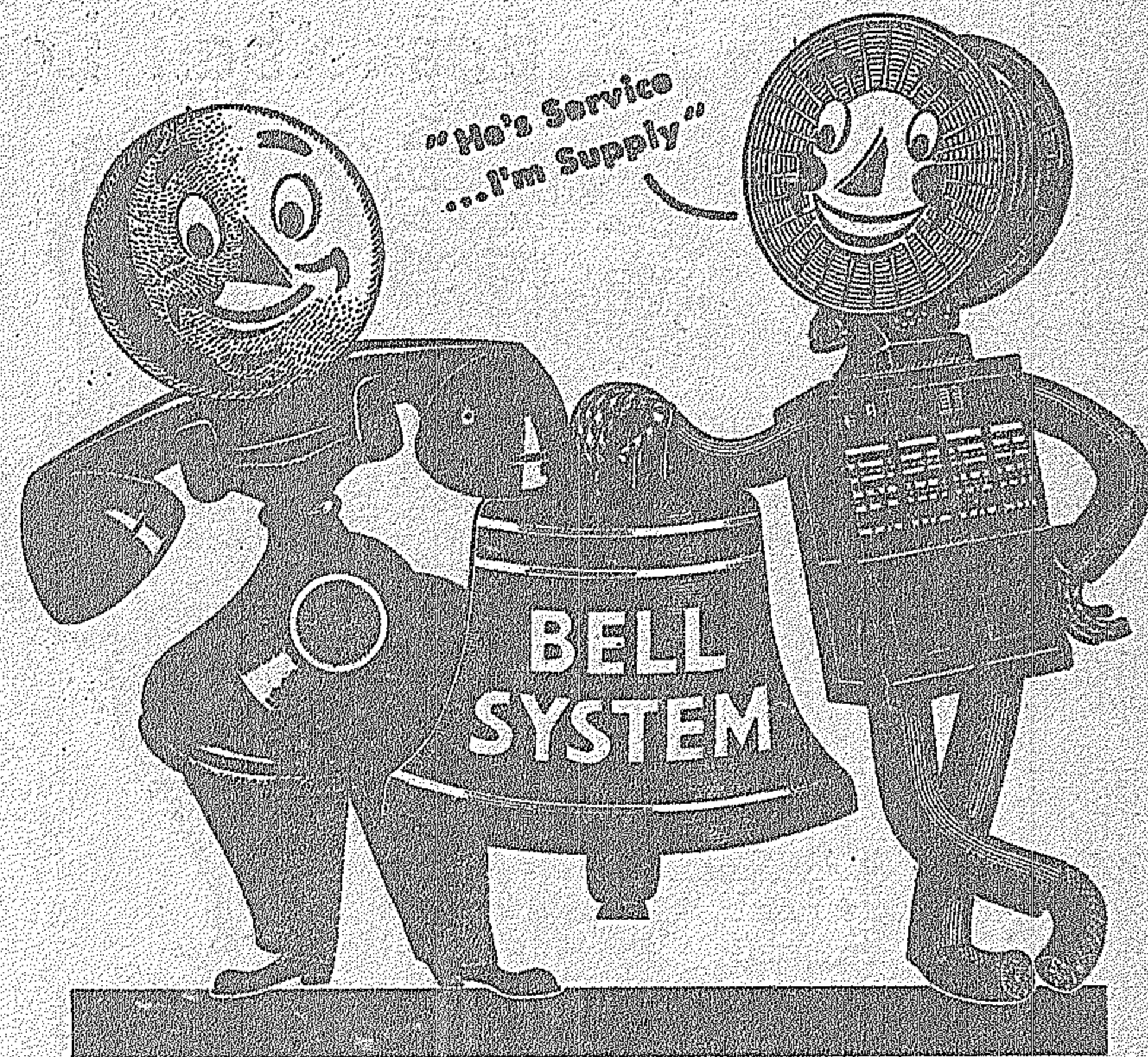
The runoffs in the annual baby contest produced twenty-two entries; and five judges. Amid the squalls and shrieks of cranky children a winner was chosen; Nancy Ann Petrolli, the 20-month-old daughter of Robert J. Petrolli, a junior in the ME department.

The interest, originality, and high quality of the exhibits this year

made it very difficult for the judges to reach a decision on the winner of the Open House displays. A point system was used in their voting with the result that the exhibits of the Industrial Engineering Department and the Physics Department received equal points. Therefore, the judges recommended that the first prize be a joint award to the two departments. The winners of the activity prize were the Foreign Students Association.

The Jubilee Ball was held in the Terrace Room of the Southmoor Hotel on Chicago's south side Friday night. While Jim Barclay and his orchestra played for the dancers at this formal affair, the hilarious and spirited activities of the days just passed were compounded into memories. All of the awards for contests and displays were distributed with the proper formalities at this last event of Junior Week and as they were given out, many organizations were surprised to find that they were tops in their fields.

Thus ended one of the most spirited and colorful Junior Weeks in the 40 year history of the traditional event.



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Netmen Win Two, Drop One; Nine Loses

Badgers Stop Techawks, 7-2

Netmen Win Easily Over GW, Marquette

Illinois Tech's team last week ran its victory streak to four in a row, thrashing George Williams college, 8 to 0, and Marquette university, 8 to 1, before losing a bitterly-fought 7 to 2 decision to the University of Wisconsin at Madison.

The Techawks will face a good Bradley university net squad, which has won three of four starts this spring, at Peoria on Saturday.

Against Wisconsin a record 229 games, and 23 of a possible 27 sets, were required to determine the winner. Tech's two points came in doubles play after a well-balanced Badger sextet had swept the six singles.

Captain Bob Hall, Eddie Radek, Irv Buchstaber, and Jim Ferguson, IIT's first four singles men, all carried their opponents to three sets and each was within a single game of winning at one point.

In doubles play, Carl Bergstrom paired with Hall and played perhaps his best tennis of the season as the Techawks edged the number one Wisconsin tandem, 4-6, 6-4, 7-5. Bob Davis and Jim Ferguson gained revenge at number three doubles by winning, 6-3, 6-4, over Neu-Plotz.

Singles results: Hentzen (W) defeated Hall (IIT), 3-6, 7-5, 6-2; Rogers (W) defeated Radek (IIT), 6-3, 1-6, 9-7; Schneider (W) defeated Buchstaber (IIT), 4-6, 8-6, 6-2; Esaum (W) defeated Ferguson (IIT), 4-6, 6-4, 7-5; Neu (W) defeated Bergstrom (IIT), 6-4, 6-3; Plotz (W) defeated Davis (IIT), 6-4, 6-0.

Doubles results: Hall-Bergstrom (IIT) defeated Hentzen-Schneider (W), 4-6, 6-4, 7-5; Rogers-Esaum (W) defeated Radek-Buchstaber (IIT), 6-4, 6-2; Ferguson-Davis (IIT) defeated Neu-Plotz (W), 6-3, 6-4.

IIT-8, Marquette-1

Paced by Captain Bob Hall, who gave up only one game in defeating Jim Doran, 6-1, 6-0, the Techawks won over Marquette university, 8 to 1, in the first lap of their two-day Wisconsin swing.

Despite ideal weather, most of the squad was definitely off form. Five matches went three sets, although the Hilltoppers' only win was at number three singles where Ray Sullivan topped Jim Ferguson. Bob Zeitlin, playing his first singles match for Tech, won handily, 6-0, 6-3.

Singles results: Hall (IIT) defeated Doran (M), 6-1, 6-0; Radek (IIT) defeated Cook (M), 6-7, 3-6, 6-4; Sullivan (M) defeated Ferguson (IIT), 6-1, 2-6, 6-0; Bergstrom (IIT) defeated Hoene (M), 5-7, 6-1, 6-3; Davis (IIT) defeated Heller (M), 4-6, 6-1, 6-2; Zeitlin (IIT) defeated Jonas (M), 6-0, 6-3.

Doubles results: Hall-Bergstrom (IIT) defeated Doran-Ebmeier (M), 6-2, 6-4; Radek-Buchstaber (IIT) defeated Cook-Sullivan (M), 12-10, 6-4; Ferguson-Davis (IIT) defeated Heller-Hoene (M), 6-2, 5-7, 6-4.

IIT-8, George Williams-0

George Williams college was decisively shut out Tuesday on the Armour Square courts. Only GW's number one man, Hugh Manire, was able to salvage a set, finally losing to Bob Hall, 6-3, 5-7, 6-1.

Golfers Tie First Match, Lose Second

The Tech golf team tied Valparaiso 6 to 6, and then lost to Wabash 7½ to 4½ on their trip through Indiana last week. The golfers were rained out at Depauw on Friday.

Due to a high wind at the Valparaiso match and cold rainy weather at the Wabash match, all the scores were in the 80's. Jac Chamberlin won at Wabash with an 81, and Vince Cleary was low man at Valparaiso with 82 strokes.

IIT 6, Valparaiso 6

Jac Chamberlin IIT beat Knoll Valparaiso 2½ to ½.

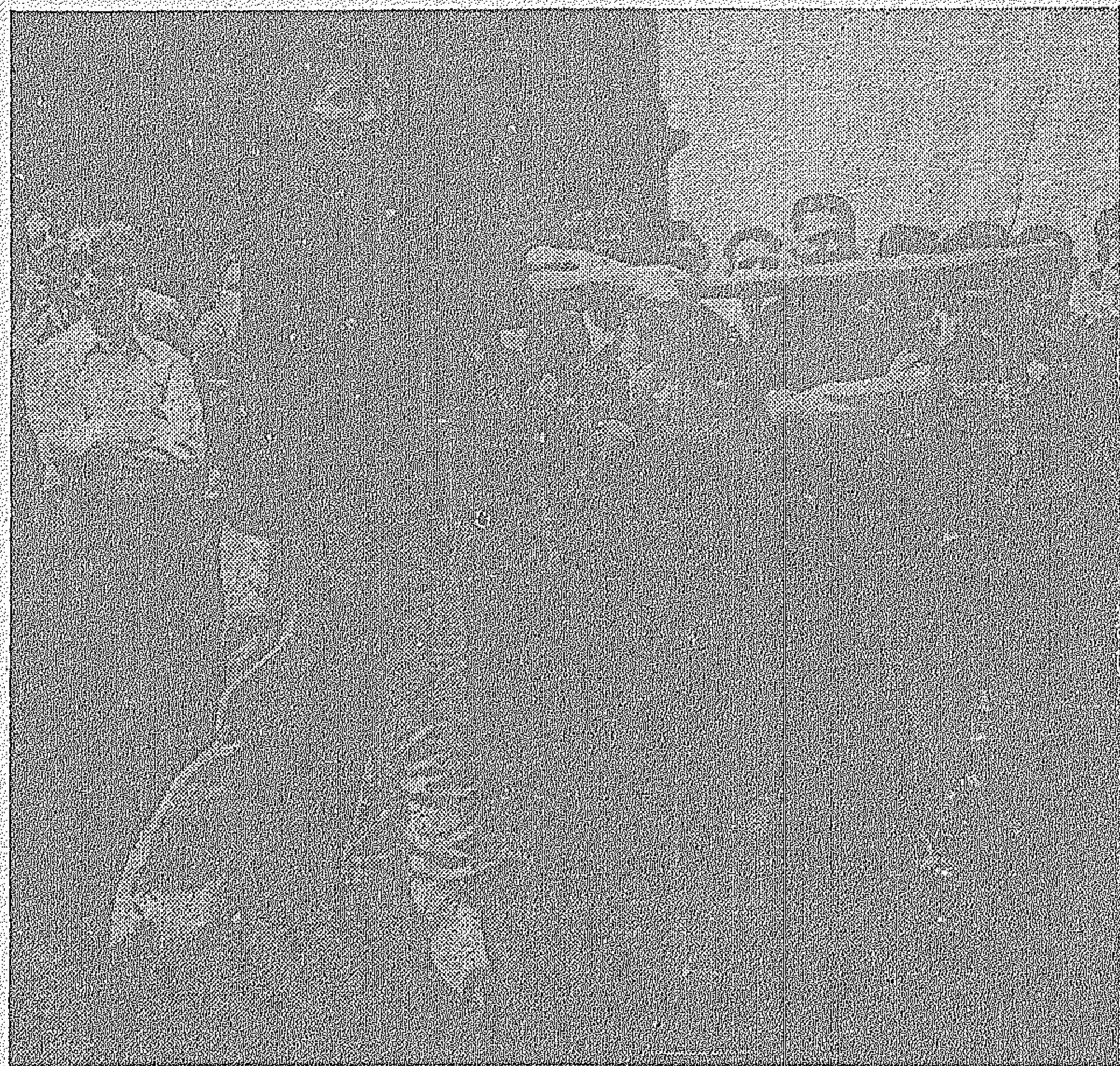
John Gailey IIT tied Fowles ½ to ½. Vince Cleary IIT beat Fricky 2 to 1. Paul Kerby IIT lost to Wetterstrom 3 to 0.

IIT 4½, Wabash 7½

Jac Chamberlin IIT beat Whitehead Wabash 2½ to ½.

Vince Cleary lost to Connelly 3 to 0. John Gailey lost to Goethlas 1 to 2. Paul Kerby lost to Aulsebrook 1 to 2.

It's A Hit!



LILLIAN HANICITS, mathematics department secretary, lashes out a screaming liner during White Collar Girls-Senior game. The WCE walloped the best the seniors had to offer by a score of 13 to 6.

Playboys, Giants Win in I M Basketball Loser's Bracket

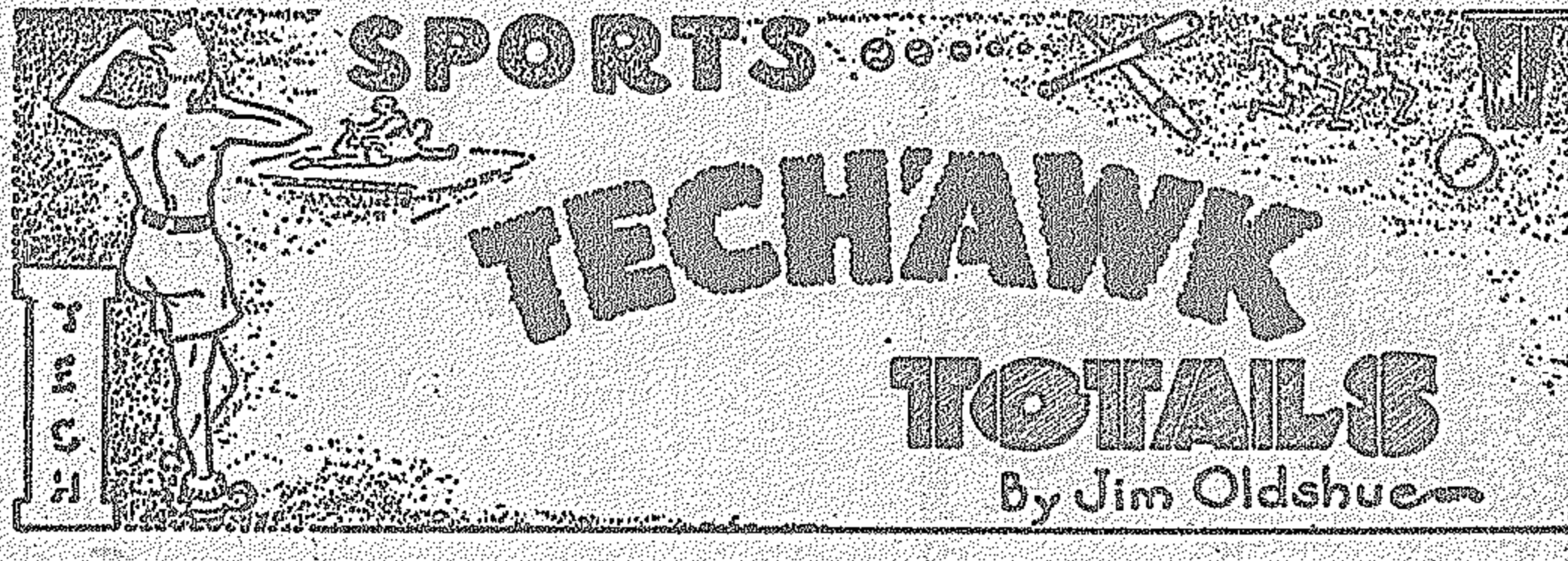
The Frosh Playboys racked up their third straight victory by defeating the previously unbeaten Frosh Cons in one of the two games played last week. In the other tilt the Giants averted elimination by knocking the Frosh Archs out of the tournament. There are seven teams remaining in the tournament, three are undefeated and four have one blot on their record. This list will be cut still further next week and the tourney will be over in two weeks, announced Larry Shapiro, intramural director.

At the last count, the leading teams were the Frosh Playboys with three consecutive wins, the Navy Frosh with two in a row and the Chem Eng Grads with one win and no losses. Fighting to stay in the tournament were the remaining members of the losers bracket; the Giants, Cons, and 48ers with two wins and one defeat and the Wolves with one victory and a single beating.

Only two games were played last week in order to leave the players free to participate in the Junior Week activities. In the opening contest the Giants walloped the Frosh Archs to the tune of 51 to 35. Heading for the "good" basket the

first half the Giants poured it on to take a 39 to 6 lead. The second period saw the game's complexion change as the Archs started to connect on their long shots, but the Giants' gigantic lead proved to be insurmountable. Leading scorers for the game were Ray Van Zelst with 19 points for the winners and Jim Bobzin with 10 points for the losers. Led by Ace Hodges' 12 tallies the Frosh Playboys strengthened their bid for the championship by tipping the Frosh Cons 21-18. Milton Zillis and "Whitey" Wallin paced the Cons by scoring six points each.

Playboys-21			Cons-18		
B	F	P	B	F	P
Heinen	1	0	1	0	0
Hawkes	0	0	0	0	0
Hodges	5	2	1	0	0
Duschane	0	0	1	2	3
Friedman	1	0	1	2	2
Nolan	2	1	3	3	0
Dennis	0	0	0	0	0
Giants-51			Frosh Archs-35		
De Leeuw	1	0	0	3	2
VanZelst	3	1	2	3	2
Knudson	4	0	1	5	0
Gardner	5	0	1	0	0
Kofael	5	0	0	2	1
Becker	1	0	0	2	0



The various sports events during Junior Week brought to light some talent which could be used on the varsity teams. The track team has positions open in all events for men who are willing to work out with the team in the afternoons, and some of the runners in the Junior Week track events showed possibilities. The swimming meet also disclosed some talent which could have been used on the squad last winter.

The short right field in Ogden Field is proving to be quite a handicap to the Tech hurlers. Several of the hits by Tech's opponents which came at crucial times during the games last week were just easy fly balls which became singles because of the conditions in right field. So far, IIT hasn't been able to capitalize on the weakness of their own home field. A new and enlarged athletic field can't come too soon for the Techawk baseballers.

Although the Tech tennis team lost to Wisconsin 7 to 2, the match was much closer than the score indicates. The first four matches went three sets, and then these same Techawks came back in the doubles to whip the opposing Wisconsin netters. This season's tennis squad appears to be one of the most powerful in several years at Tech. The University of Chicago looms up as their most formidable opponent at the moment.

Tech Baseball Team Loses To Concordia 12-4; Valparaiso 13-1

Track Team Loses Two Outdoor Meets Harrison Stars

The Techawk thinclads dropped their opening meet of the outdoor season to Loyola University and Elmhurst College. The final tally showed Loyola with 75 points, Elmhurst with 46½ points and IIT with 38½ points.

Tech was again led by Arnie Harrison as he totaled fourteen points in five events. Harrison won the broad jump, took second in both the low hurdles and the javelin, placed third in the discus, and wound up fourth in the high hurdles. Chandler Sammons brought in the only other Techawk first place by winning the shot put. Dave Miller was third high in Tech scoring by taking second and fourth in the high and low hurdles respectively, and running a lap on the mile relay team which came in second. Other members of the relay were Ken Turner who placed in both the dashes, Ed Lindahl who also finished third in the 880, and Eric Paulsen who scored a point in the 440. Ralph Hines took a second in the high jump and added a fourth in the broad jump. Other Techawk points were registered by John Holland in the high jump and by Floyd Meller in the two mile.

Saturday Harrison took second in the broad jump, Sammons fourth in the shot, and the relay finished fourth for the only points that Tech could score in a pentangular meet.

Sports Personality of the Week

Roy Schimmelpfenig

That fellow standing in the cinders of left field is Roy Schimmelpfenig, co-captain of the Techawk baseball team. "Shim" doesn't seem to mind the cinders tho', for this is his third year in collegiate baseball.



Roy was born in Capak, Michigan, "a wide place in the road", he explains. The high school was small, so he had opportunity to play on all the teams. He played four years of basketball and baseball, and was elected captain of the football team after three years.

"Shim" came to IIT in July of '43 with the V-12, graduated with a degree in ME. The destroyer escort he was to go aboard was destined to drydock, tho', so Roy spent the time seeing southern California. Roy is taking a civil engineering course now, and will finish in June.

Roy is active in many of the intramural sports, is a member of the musicians' Pi Nu Epsilon, and is president of Honor I, honorary athletic society, this semester.

Basketball fans will remember him as one of Tech's better guards. But baseball fans will want to watch him in the batter's box this year. Despite the cold weather and stinging hands, Roy has batted an even .500. At the time of this writing, his favorite bat had just been broken and he predicts a batting slump. We'll see.

By Art Ballou

Technology News gives each Sports Personality of the Week two cartons of Chesterfield cigarettes.

After displaying mid-season form in winning their opener from George Williams College, 12 to 2, the Techawks pulled a complete "reverse" and absorbed two lopsided trouncings 12 to 4 and 13 to 1 at the hands of Concordia College, and Valparaiso University, during their Junior Week schedule.

Collecting only 4 runs on 6 hits off Right Hander Ernest Teshke, while a trio of Techawk hurlers yielded only 8 hits but they were good for 12 runs. Going into the fourth inning the game looked like a pitchers duel between Bob Bokosky and Teshke, but by the time the side was retired, five of the eight safeties had pushed 9 runs across the plate. After Roy Schimmelpfenig was brought in from left field to play the role of fireman, Concordia batters were so hot, it was the ace right hander Bert Amstadter who finally put the fire out.

A feeble Techawk rally in the seventh produced 3 runs as hits by leftfielder George Ehrhart, Center Fielder Bob Haglind and first baseman Dennis O'Geary's second hit of the day, combined with 3 Concordia errors, contributed to the damage.

It Happened Again

After what appeared to be another right pitchers battle, Valparaiso University exploded for nine hits and ten runs in their half of the sixth inning, routing Amstadter, this time in the role of a starter, and reliefer Bob Foster, before finally subduing to Schimmelpfenig who was again brought in from his left field spot. Amstadter was a "lot of pitcher" in his five inning stint, until the Valpos suddenly discovered what he was serving them.

The Techawks scored their only run in the third frame, when Shortstop Bill Burns walked, advanced on an infield out, and romped home on O'Geary's sharp single to left, his second for the game. Defensively, the squad looks rather impressive, especially the right side of the infield, where Gordon Granert is guarding the "keystone sack".

Totals for the game:

IIT			Concordia College		
AB	R	H	AB	R	H
Burns ss	3	1	Block lf	4	1
Krause rf	2	0	Vallesky cf	4	2
Haglind cf	1	0	Teschke p	3	2
O'Geary 1b	4	2	Luedtke 3b	3	1
Schimmelpfenig			Kieschnick lf	3	1
Putz rf	0	0	Spalding rf	1	0
Le June 3b	4	0	Robert 2b	4	1
Biccichi c	2	0	Klink 2b	1	1
Melgaard c	2	0	Witzke ss	4	0
Oldshue cf	3	0	Christian ss	1	0
Amstadter p	1	0	Schlie c	4	1
Granert 2b	3	1	Glaess	1	0
Bokosky p	2	1	Tegeder 1b	3	2
Ehrhart lf	1	1	Banser 1b	1	0
	33	4		37	12

Concordia			IIT		
AB	R	H	AB	R	H
100	9	0	12	8	6
001	0	0	3	4	3

IIT			Valparaiso University		
AB	R	H	AB	R	H
Burns ss	3	1	Koehn cf	5	1
Krause rf	4	0	Gierke lf	4	1
O'Geary 1b	3	0	Busch 3b	5	1
Schimmelpfenig			Bull 3b	1	0
Le June 3b	3	0	Schwartz ss	5	2
Melgaard c	3	0	Belkowski 2b	4	2
Oldshue cf	2	0	Garrison 2b	1	0
Haglind cf	1	0	Fasules rf	2	1
Granert 2b	3	0	Doering rf	1	1
Amstadter p	2	0	Meundorf 1b	3	1
Foster p	0	0	Johnson 1b	1	0
Ehrhart lf	1	0	Suesse c	3	2
	27	1	Meadows p	4	1
				39	13

Valparaiso			IIT		
AB	R	H	AB	R	H
001	0	1	1	15	8
001	0	0	6	1	5

ME's Win IM Track; Amberg Tops Swimmers

The Junior Week intramural track meet was won by the ME department with 16 points. The NROTC came in second with 13 points.

In the intramural swimming meet Edward Amberg won three events, the 40 yard free style, the 100 yard free style, and the diving, to take individual honors. In the breast stroke, Henry Bubley was first, and Bob Parker won the back stroke. The EE department won the 120 yard Medley Relay, while the team composed of John Sachs, Parker, Eugene Dymek, and Cliff Nelson took the 160 yard relay.

Ahern Appointed to Truman Committee

John Ahern, director of the fire protection engineering department, has been appointed general secretary of the Committee of Fire Prevention Education of President Truman's Conference on Fire Prevention, it was announced recently.

He will present a report on the sub-committee suggestion recommending immediate action to be taken for a nationwide educational program in grammar and high schools, colleges and universities. Professor Ahern will present the report when the conference meets May 6, 7, and 8 in Washington, D.C.

Television Studio Tour Made by IRE Members

Members of the IIT chapter of the Institute of Radio Engineers were familiarized with some of the finer points of television through a visit to the Balaban & Katz television studios at 190 N. State Street recently.

Several in the group participated in a quiz program sponsored by the Commonwealth Edison Company, and David Pasek won \$5.00 in trade tickets in a Fair Store question and answer game.

Highlight of the trip was an inspection tour and a talk on the technical aspects of television by the general manager of the studios.

Chess Club Tournament To Continue Through May

Among the 18 students competing in the chess tournament, tallies reveal the leaders to be Herb Levinson, Dick Menze, W. Kalenian, and Hal Kimball, as the 3rd round nears completion.

Hal Kimball, president of the Chess Club, said that among the prizes to be awarded are a costly chess set, 2 books on the subject of chess, and a copy of "Chess Review."

The contests are renewed every Friday and will continue throughout the month of May.

NEW BUILDINGS

(Continued from Page 1)

ference type tables instead of the familiar desks in use at present.

The second floor of the building will be used by the metallurgy department. A complete revision and expansion of the department curriculum necessitates increased facilities, and included in this expansion will be a welding lab and foundry, a heat treatment lab, two specimen polishing and grinding rooms, two microscope rooms of 24 student capacity, micrographic rooms, dark rooms and a small machine shop. Test and service equipment for these spaces is already on hand. Four classrooms, a large study room, and departmental offices will utilize the remaining space.

Mr. Spaeth added that campus service units will be located in the basement of the chemical engineering building. There, a central dial telephone exchange to serve the entire campus should be ready by early fall, while the central duplicating and mailing rooms will be transferred from Chapin Hall when the building is completed.

Psychological Services Offers Vocational Guidance Aid to All

by Arlene Edwards

The Institute of Psychological Services of IIT offers invaluable aid to anyone interested in knowing his aptitudes and abilities. The department is headed by Professor George S. Speer, who was recently elected vice-president of the National Vocational Guidance Association, and has a clientele from almost every state in the Union, besides Canada and Australia. The staff has rapidly expanded to twenty-four specialists who take care of the three parts of the department, namely, testing, scoring, and counseling and guiding. The service rendered by this organization, as its name denotes, is devised to give service but what the name does not give a clue to is the wide scope of services performed by the Institute. These services include entrance examinations, vocational guidance, and scoring tests.

The applicant is given a battery of tests to determine his particular personality traits, and aptitudes. To integrate completely the results of these tests they are passed through an IBM machine a total of 272 times. The Human Engineering laboratories, which have very often

been confused with this department, possibly because at one time they rented space from Illinois Tech, are in no way connected with the Institute. IPS is just as much a department of IIT as the home economics or the chemical engineering department.

The charge for the services is twenty dollars, but it should be noted that veterans are entitled to receive them under the GI Bill of Rights. If a veteran wants to change his course he will be required to take these tests. If the tests indicate the veteran is not suited to his field and show a field to which he could better adapt himself, the tests will be considered sufficient evidence by the VA for the veteran to change his course.

All that is needed for an interview is an appointment made on the eleventh floor at 18 South Michigan.

Biology Department Will Offer 'Human Biology' Course This Fall

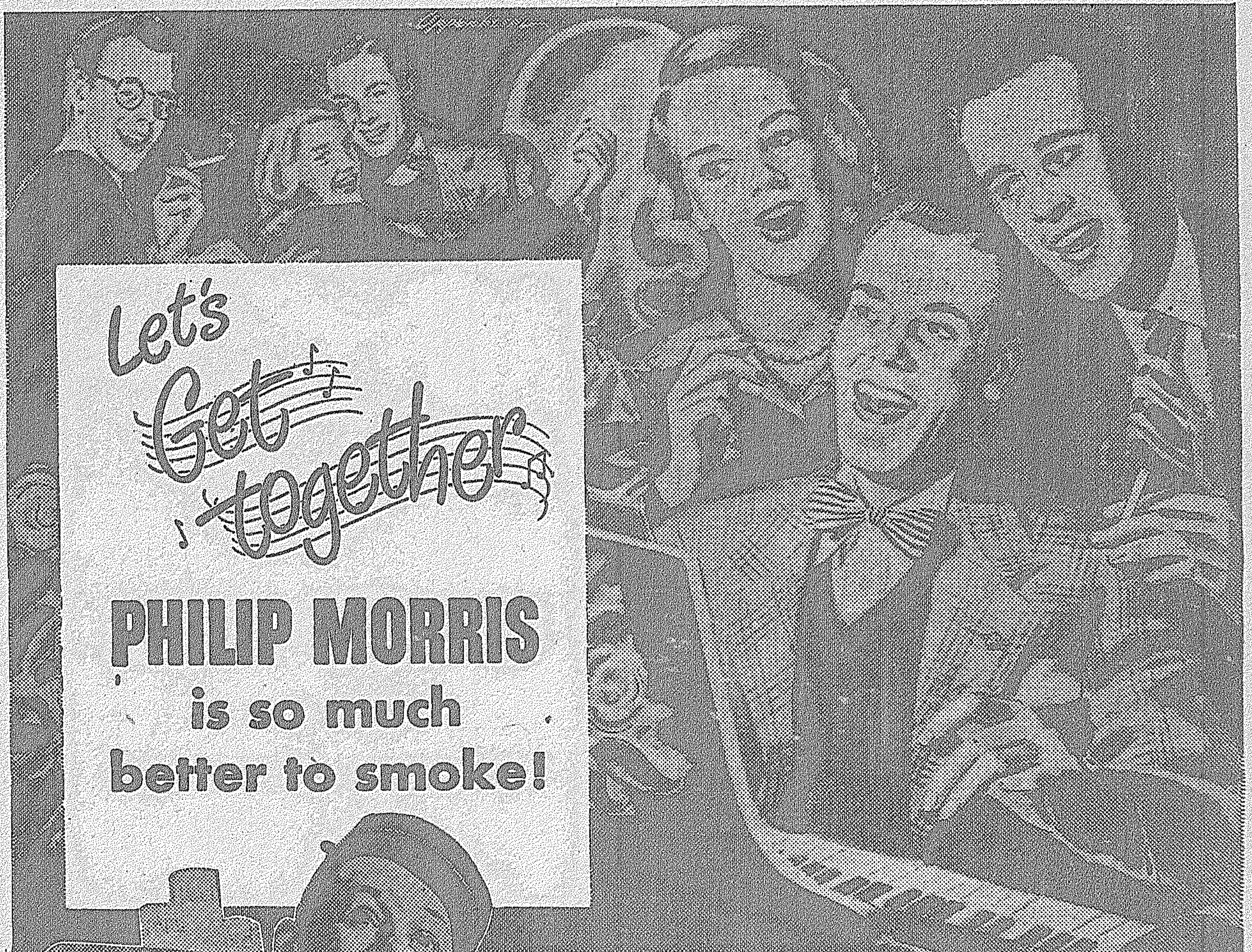
A new three hour lecture course, Bi. 301, Human Biology, will be offered by the biology department this coming autumn, according to Leslie Hedrick, director of the department. This subject will involve a study of human morphology, physiology, heredity and evolution. It is designed as a liberal studies elective and will be included in the liberal studies elective subjects.

In this connection he said there is a growing realization among engineering colleges of a need for engineering students to secure some training in biology without necessarily introducing a new curriculum. At the University of California in Los Angeles a new program of teaching and research in biotechnology has been inaugurated in the engineering school, according to an article in *Science*, February 28, 1947, by Professors Taylor and Boelter of the department of engineering. The article stated that: "Basic in the program are two courses which cover the pertinent facts of human biology and the interaction of man with his environment in as concise, as the present status of science perquantitative, and practical a fashion

mits. The possible ramifications of the biotechnical element throughout engineering research and practice are almost infinite."



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EIGHT— AIChE Plans Visit to Sherwin-Williams Paint Co. May 6

As part of the semester's program, the American Institute of Chemical Engineers plans to visit the Sherwin-Williams Paint Company on May 6, announced Bob Havlik, president of the organization, at the last meeting.

In arranging for the trip, it was anticipated that acquaintance with the methods and use of hydrocarbons and solvents in the paint industry would allow students to visualize practical applications of general industrial chemical procedure and technique, Havlik said. He added that the trip should prove of especial interest to chemical engineering majors.

Only fifty persons will be allowed to make the trip, and though all students are invited, members of the AIChE will be given first preference. Plans for the visit include provisions for bus transportation to and from the plant, which is located at 115th Street and Cottage Grove avenue, with the group leaving the campus at noon.

Chemical engineering majors who wish to improve their eligibility for making the trip may do so by paying the initiation fee and the semester dues to any of the organization's officers which include: Vice-president, Roger Tate; treasurer, Lester Templeton, Jr.; and secretary, John Hayes.

Five Students Prepare Papers for AIEE Contest

At the last meeting of the American Institute of Electrical Engineers, technical papers were presented by its members. Those contributing were J. Cohn, L. Fisher, M. Gilden, W. Kunde, and L. Reiffel. After being judged by the faculty committee, the winning undergraduate and graduate papers will be entered in the district contest at Notre Dame this Friday.

ACS to Tour Abbott Labs

The American Chemical Society has made definite plans for a field trip to the Abbott Laboratories during the early part of May. Plans for the inspection tour and a picnic by the lake were the main considerations at the last meeting. A summary of Junior Week activities was given by Irving Busak, chairman of the Junior Week committee.

● METALLURGY DEPT.

(Continued from Page 1)
work in physical chemistry lecture and laboratory, and physical metallurgy lecture and laboratory. Also offered in the fifth term will be thermodynamics, metal processes laboratory, kinetics, and a liberal studies elective. In the sixth term, mechanics of materials, machine design, and chemical metallurgy will also be taught.

The seventh and eighth terms will be composed primarily of two semesters of work in engineering electives, liberal studies electives, electricity, metallography and heat treatment lecture and laboratory, and seminars. Also given in the seventh term will be materials laboratory, and non-ferrous products metallurgy, while metallurgical practice and ferrous products metallurgy will also be taught in the eighth term.

Dr. Zmeskal urges all freshmen, who may be interested in metallurgical engineering, as well as those sophomores and juniors who can qualify for admission to the department, to contact him for a personal interview in his office at 300MH.

Openings Available For New Students

Openings are available for qualified high school and junior college graduates in the liberal studies and engineering curriculum, Ivan L. Hill, director of admissions announced recently in a news release to high schools and junior colleges

in the Chicago area.

For junior college graduates the following curricula in the liberal studies division are open: biology and pre-professional, bacteriology and food technology, public administration, business and economics, and home economics. Majors may be taken in English, economics, psychology, history, political science,

and sociology. Openings in the engineering curriculum are in chemistry, physics, and mathematics at the junior level.

Vacancies exist for high school graduates in all of the above and, in addition, in chemical, civil, electrical, industrial, mechanical, metallurgical, and fire protection and safety engineering.

Rekkish to Be in Olympics

Jack Rekkish, remembered by many as the yeoman in the Navy office till last September, now discharged, has won for himself a berth on the skiing team to represent the United States at the Olympic Winter Sports to be held in Switzerland next winter.

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