Integral Ball bids vanishing rapidly

With three weeks remaining until the 1950 Integral Ball, indications are that it will be a complete sellout. With only one week of sales elapsed, more than one-half of the tables have already been reserved.

Having Franklin Masters as the star attraction, the committee's largest social affair is finding it difficult to avoid ticket scarcity in the booths in Student Union. As a result of the rush on sales, anyone desiring tickets is advised to purchase them long before the music starts playing at 8:30 on November 4.

The newly remodeled and re-decorated Grand Ballroom of the Hotel Roosevelt will be the site of the Integral Ball as music will continue from 9 p.m. until 1 a.m. Franklin Masters' 14-piece orchestra will provide the music for the main portion of the evening, while the Carlton Boys will furnish the entertainment at the bar.

Tickets may be purchased by purchasing one bid at a table, and all reservations will be held until October 11. This price will be reduced to $5.00 per couple.

Yearbook in need of personal information

The 1950 Integral yearbook, the Illinois Tech yearbook, opened its first business meeting of the year on Monday evening in the Integral office. It is hoped that various members of the class of 1950 will come forward and select their pictures taken, and an urgent plea is made for this to be done.

Editor-in-chief Don Cummings said that the committee is in need of the number of openings for students to handle. He further said that he and the staff are in the process of selecting their pictures, and that the yearbook will be ready for publication.

In addition to the information requested, all members of the class of 1950 are invited to attend the meeting of the committee at 7:30 p.m. on Wednesday, October 10, in the Integral office. The meeting will be open to all members of the class of 1950.

Is your lovely lovely? Proof is in contest

If the number of entries blank checks are the first people to find an indication the volume of entrants in the Integral Queen contest, TechTalks will have a large enough selection. More entrants will be selected from which to make their choice. The selection, to be held on November 5, is a game of chance in which entrants are entered in a lottery and the winner is selected.

Application blanks may be obtained in Student Union. The contest is open to all students and faculty members. (No professional mod.) Please note that the application should be returned along with a $2.00 check or cash to the committee by October 15.

IIT holds hydraulic convention

The sixth annual National Convention on Industrial Hydraulics will be held next Wednesday and Thursday at the Sherman Hotel. The event is sponsored by IIT and AWH, with the cooperation of several Chicago technical societies. The meeting is for the benefit of the field of industrial hydraulics.

The conference will feature lectures, discussions, and tutorials. The session will be held from 8:30 a.m. to 5:30 p.m. at the Hotel Sherman. The conference will be open to all members of the technical field.

The highlight of the conference will be the Atlantic City banquet, which will be held on Wednesday evening, featuring a speech by Dr. John P. Banger, vice-president, U.S. Gypsum company.

Player's roll: pick "Room Service"

Students run rampant as the stage opens next week for rehearsal of the rollicking three-act comedy, "Room Service," written by Murray and Bozetta, chosen by Campus Playwrights to show their next production.

New face and figure adds to zest

Awaiting the final okay from the student office, Mr. Lev will hereafter come under the control of the publications board of IIT. Editor Alan Platt has announced that Jim Siedle will be copy editor and Beth Romnek will handle technical layout. Platt also anticipated an entirely new format for the magazine. "It is very possible that we may have a three-color cover this year," he stated. It is expected that several students from the Institute of Design will aid in the cover layout. An attempt will be made to make articles and reviews for the interior of the magazine.

The spring annual edition of the campus literary magazine will be published. The top ten students in the Technical School will be included in the magazine.

Students who have manuscripts or any original material may submit their work to the staff. The magazine will be published in the spring, and the staff will meet to discuss the contents.

AEC awards scholarship to Bert Toppell

Bert Toppell, senior student in atomic energy at IIT, is one of the two Chicago area recipients of the AEC's 1950 Atomic Energy scholarships. The scholarships, $1475 each, are presented to students who have completed the United States, by the Regional Fellowship Board of the Atomic Energy Commission, and received his BS in Physics. At present, he is a student at the Institute of Technology, a program in elementary particle physics in preparation for PhD. The school will be used to make a comprehensive report of the American physical society in the field of physics. The material will be published in 1951, and the student will be awarded the degree.

Toppell's application for the scholarship was made one year ago, when the distribution was based on the student's performance and the recommendation of the National Research Council. At the time, Toppell was a competitive, and an AEC investigation in progress.

MIT prof lectures ID students

The Institute of Design in Chicago this week presented a lecture by George Mason, professor of architecture at MIT, the "Art of Architecture" last Tuesday.

A lecture in the field of architecture at the Illinois Institute of Technology, is in the "Art of Architecture." He is a former member of the faculty of the institute of Design and one of the best-known men in the field of architecture in the United States.
Letters to the Editor

Lounge facilities not up to par, student charges

To the Editor:

The September 22 issue of Technology News carried an article and an editorial which stated: (1) the campus of the South Union has not brought any great discomfort or inconvenience to the students of this school; (2) the students of this school should follow certain regulations which have been made to prevent any great discomfort or inconvenience resulting from the closing of the South Union.

Beside the fact that these two statements are somewhat contradictory in attitude as to their reveal in an article on the part of the writers who is certainly not desirable in a student organ.

The statement that the present facilities are adequate is not at all based on a spot check of the North Union cafeteria and the auditorium lounge. This check could not have been made by a sighted person between the hours of 10 a.m. and 2 p.m. At those times it is not unusual for a student to be forced to eat off the floor of the lounge, sit on the floor of the canteen, and even while standing.

If any student were to beandering the lounge, he would be aware of the change from a creasy carpet to a hard floor.

The suggestion is made that there are certain rules which the student body which will find helpful in maintaining the available facilities. Any rules along this line, even if they are any good, make the guns mistake of assuming that the demands and desires of the student are to be regulated down to the point where they will accept whatever crumbs is seen fit to provide. It would be much more conducive to an improved student morale, to an increased school spirit. If an attempt were made to bring lounging, studying, and food service facilities in line with the excellence which prevails in the placement office, faculty and other services of the school, just for a change, if for no other reason, why not make a stab at making IT a good school to be at instead of from?

A school paper which supports any other view can only gain itself the name "administration paper," it will not deserve to be known as a student organ.

Harold J. Young, ME-7

Technology News

How the Heck can I find Slimpickin's not lost

Some old has been subtracted! Slimpickin, which for years has appeared on the editorial page of Technology News, is now dispersed throughout the paper. With the shortsighted "we'll make 'em read TN from front to back" the make-up department went to work with the idea.

If the readers of Technology News don't come knocking at our door with axes, the policy will be continued; but if not, we'll repent our sin, and return to a modification of the old format.

The next time, we'll take a chance on scattering bits of wis to induce the aesthetic reader, to thumb through all eight pages.
check your oil by spectrophotometry

To the average motorist, a quart of oil is a quart of oil... and nothing more. Although most car-owners appreciate the necessity of periodic oil-level checks, they don’t realize that two quarts of oil, selected at random, can vary greatly in quality.

At Armour Research Foundation of Illinois Institute of Technology, a group has been set up to test oil that didn’t come from the Pennsylvania Crude Oil fields from being misrepresented. This program is sponsored by the Pennsylvania Grade Crude Oil association.

Dr. A. W. McCreery, supervisor of the Foundation’s analytical chemistry group, says the first step in oil purchased from filling stations all over the country is to send it to the analysis laboratories for checking.

At the Foundation, three procedures have been developed to test whether an oil sample is Pennsylvania, non-Pennsylvania, or a mixture of the two. Differences are detected by infrared spectrophotometry, protein density calculations, and refractive index measurements.

The infrared method is based on differences in color. Although the human eye can identify certain objects such as rain-caked and state police cars by color alone, it is limited. Taking advantage of the human eye’s limitations, the infrared method detects minute variations in color composition.

Another advantage, this method will identify oils wholly or partly from Pennsylvania crude.

 выполнен.

Slipslick No. 1

Two Indians were out fishing in the first Thunderbird, but the line caught a mermaid. He released the mermaid, repaired the line, and got back into the boat from her hair and threw her back into the water.

First Indian: “Wah!”

Second Indian: “Wah!”

Second Indian: “Wah!”

Pueblo Indian density refers to the

Ice-marooned voyagers unstuck thru work of ARF

The prospect of harnessing the sun’s energy to melt ice-covered rivers and lakes is an example of scientists’ success at the old adage that “everybody talks about the weather, but no one does anything about it.”

Scientists at Armour Research Foundation of Illinois Institute of Technology, cooperating with the U. S. Coast Guard, have made_head progress in the development of ice-breaking methods.

Rayford L. Combs, ARF’s research associate, said that “the big break” is that they have found a way to break the ice in the water, not “off the ice.”

Combs explained that the ice is broken by using a heated tool, which melts the ice, creating a channel. This method is more effective than the traditional approach of using a shovel to break the ice, as it does not require physical effort.

Fowler Hall melting pot of countries

Fowler Hall, the four-story building at Michigan Avenue and 21st Street, is the living laboratory of the Institute’s engineering students. This structure houses a large number of laboratories, the Engineering V. Laboratory, and the Engineering V. Laboratory, which are open to the public.

Recently, a group of students from the University of Illinois visited Fowler Hall as part of their tour of Chicago.

The students were impressed with the size and facilities of the building, and they were particularly interested in the engineering laboratories.

One of the students, who is majoring in chemical engineering, said, “I was very impressed with the size of the building. It is much larger than our own facility back home.”

The students also had the opportunity to tour the Engineering V. Laboratory, which is located on the second floor.

The laboratory is equipped with state-of-the-art equipment, and it is used for a variety of experiments. The students were particularly interested in the lab’s emphasis on sustainability and environmental technology.

One of the students, who is majoring in environmental engineering, said, “I was very impressed with the lab’s focus on sustainability. It is important to me to be able to work on projects that have a positive impact on the environment.”

Overall, the students had a great experience visiting Fowler Hall and the rest of the campus. They were impressed with the facilities and the opportunities for learning and research that the University of Illinois has to offer.

Campus Interviews on Cigarette Tests

Number 2...THE BLOW FISH

“Shucks—I blew in when I shouldn’t have blown out!”

Try the poor Pies! He’s been making all those trick cigarette tests you’ve been reading about! He’s taken one pull of...
L/S/M.F.T. Lucky Strike Means Fine Tobacco

#### IT IS A SPARKLE! Is It a Marlin Hawk? No. It's a water sparkler, the new crooking variety, recently patented on Tech's fair campus lawn.

#### Sprinkle, sprinkle little croaler

All summer long and far into fall, students could be seen gathered in clusters near the lawns of IIT's several buildings. The object of this intense curiosity were the sprinklers, which were generously shedding water on the lawns and any unsuspecting for fully fifteen minutes, only to have them drip and drip their shoulders and walk away with a check list on their face. As a matter of fact, a time, the sprinkler would be in one place, and an hour later would have moved to at least a couple of feet.

It got to the point where CMU was sending their few times on.

Students would run up to the sprinklers in order to "solve theiddle. This was the first time that a student had tried to understand the workings of the sprinkler. They were successful in that it lasted something to do with magnets.

However, it was one of the local denizens who solved the problem and explained that the revolving blades of the sprinkler turned a gear that turned another gear that pulled the sprinkler along the hose on which it was attached.

You have to go to college?

#### Slipsstick No. 3

The members of an exclusive hunt club decided to hold a fox hunt and were instructed to bring only male dogs. However, one influential member owned only female dogs, and she was allowed to run with the pack.

The meaning of the hunt was followed by the dogs for an hour and then left them completely. One of the hunters quipped a farmer in the field and questioned him: "Have you seen anything of a pack of dogs and a fox?"

"Sure, just a minute ago, they were going that way."

"What were they doing?"

"Well, the farmer said, "first I saw the fox runing."

Remember boys—its only the fresh egg that gets slapped in the pan.

#### tech timetable

**FRIDAY, OCTOBER 19**
- Mathematics, 11 a.m., Room 113
- Physics, 2 p.m., Room 112

**TUESDAY, OCTOBER 16**
- Chemistry, 11 a.m., Room 112
- Biology, 2 p.m., Room 111

**WEDNESDAY, OCTOBER 17**
- Debate, 11 a.m., Room 115
- Economics, 2 p.m., Room 111

**THURSDAY, OCTOBER 18**
- English, 11 a.m., Room 116
- History, 2 p.m., Room 111

**FRIDAY, OCTOBER 19**
- Computer Science, 11 a.m., Room 112
- Physics, 2 p.m., Room 112

**SUNDAY, OCTOBER 21**
- Debate, 11 a.m., Room 115
- Economics, 2 p.m., Room 111
IIT night student attacked, slashed

Thaddeus Barowski, 230 N W. Washington Blvd., was arrested by two knife-wielding assailants last Friday night at 8 p.m. while walking down Federal at near 34th St. Barowski, a night school student at Illinois Tech, was approached by two men who demanded his money. Barowski swung at one in an attempt to escape, but the other, using a knife, poked upon him, stabbed him on the head and neck and then apparently thwarted by his fight, the hoodlum fled without completing the robbery. Bleeding profusely, Barowski staggered to the police office. Finding no assistance, he went to the Registrar's office in the Main building where Carmen Miliewski, Arch 6, who was on duty at the time, called the police and rushed Barowski to Mercy hospital.

The emergency ward at Mercy hospital treated Barowski, using 32 stitches to close the wound. He then was released.


diagram

Hill appointed program head

Walter H. Hill is the new head of the men's and boys' program at the AAS B. McKinley community house, it was announced recently by William R. Hammond, director.

The social agency, located at 2011 South Washington ave., provides an educational and recreational program for underprivileged persons of Chicago's near South side, and last year served more than 3,000 adults and children.

Hill earned his master's degree this June at Atlanta University. He is a native of Montgomery, Ala., and graduated from the State Laboratory high school there in June, 1942, and received his bachelor's degree in sociology at Morehouse college, Atlanta, Ga., in June of 1944.

Railroad building research features "track in back"

IIT's latest addition to the permanent structures of the Technology Center campus is the Association of American Railroads building. Turned by many as the building with the "track in back", it will be a center for advanced research in container (packaging) techniques and mechanical railroad structure and accessories.

Although there are no finished laboratories in the building, many pieces of equipment have already been installed. The mechanical engineering lab on the main floor will handle design testing and research of mechanical parts of trains such as journal bearings, truck and brake systems. Associated with this lab is the electrical section, which will be used for strain and stress analysis, not only of trains themselves.

The container lab has much of its equipment installed or nearly completed. This includes a 220,000 pound trolley tester, a puncture tester and a fiber beam fabrication device. Under construction are a vibration tester, and an elevated impact tester capable of handling 2,000 pounds.

The "track in back" will be used for heavy impact testing. A switch off has been constructed leading from the Rock Island railroad tracks in both of the X4 building to the north end of the AAR structure. Cars will be moved by a small diesel locomotive. The impact "wall" will be a heavily loaded flat car.

The track runs across 33rd street, which is in the process of being walled off. General construction is expected to be completed in a month.


diagram

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Dell Telephone System

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Winner awarded radio as baseball contest ends

By Rosemary Nagle

Meet Mr. Mysto—who sees all, knows all and tells all. Out of many entrants in this spring’s "Horseshoe Horoscope" contest, Mr. Mysto has picked the ultimate pessimist writer, Larry Grimes, with the Philadelphia Phillies. His real name is Dick Fabers, and he was awarded a Zenith portable radio for his efforts in engineering last June. His prize was a Zenith portable radio which battled it out in last week’s World Series.

If your favorite column features the "Horseshoe Horoscope" contest, this little report might help. Last March 24 this page announced a contest in which students could win a Zenith portable radio by forecasting the results of the respective pennant races. In addition, they were given the reason why their choices stood in 25 words or less as the tie-breaker. There was no tie and the easy winner was Mr. Mysto entry was disapproved.

Fabers, as well as the rest of us, was hitting his marks right down to the last day of the season. The Phillies, failed a sure thing about the first of September. He was trying to prove that there is nothing like a sure thing. Although they played close to .500 ball all year, they could only win 12 out of 25 games during the final month of the season. The Brooklyn Dodgers were hot last month and it required a better batting average by the Bums at the plate in the last game of the season to prevent a second straight pennant play-off.

The month of September was a good one for the Yankees, however, after a sliding around second and third behind Detroit and Cleveland most of the season, the old pro came through like a white knight playing in the game, and took the pennant going away.

The World Series was the same story, the Phils remaining in their fragile state throughout the series and the Yankees still champions.

Mr. Mysto entry is over, but keep your ears and ears open for all the deals in the "Hot List." Then, next year, see whether Mr. Mysto can be another "Horseshoe Horoscope."
Rohr leads "Prophets" to first week's prizes

By Lee Kohon

Upsets, upsets, upsets—that's all there seemed to be last week as the first Pilgrim Prophets contest came to a close. Only two conferences of the many entries were able to pick eight games right. No one picked the North Carolina-Georgia game at 4-1, and since Vanderbilt, Wisconsin, Indiana, and Tennessee were in major upset, the experts were way off in their predictions for the first week of the season.

Werner Rohr, seventh term EE, walked off with the first prize, a one-year subscription to Empire magazine, by missing only the tie game and Wisconsin's victory over Illinois. Second place went to Paul Doppel, first semester PEE, who lost on the tie and the upset that Indians pulled over Iowa. His prize is a bid to the Integral Ball. Winners of Chandler-Etchesian equations were Max Grammer, Jack Fried- trich, and G. A. Noren.

In the Big Ten this week, Wis- consin, conference leaders, jour- neyed to Ann Arbor, while Purdue, competitors of mighty Notre Dame, take on the Hawkeyes of Iowa in their first conference game of the season. In non-con- ference games Washington beats Illinois after having already overcome Minnesota of the Big Ten, while Pitts Panthers traveled to Texas Panhandle in athletic North- western.

In the East, unbeaten Princeton challenges Brown, who have yet to win their first game this season. Southern California, which in pre- season calculations was supposed to have the powerhouse of the west coast, tangles with the Mid- ships of Annapolis and Army. Navy has not yet lived up to expectations, as their passing attack has been quite ineffective in their first two contests against Maryland and Northwestern. Southern California also has not been up to par as they were best- ed in their first game by a sur- prising Iowa squad.

Down in the deep South,
Fourteen Spec's
Tasty Sandwiches
Pete Lachers
SALLY'S DRIVE-IN
33rd & NORMAL AVE.
FOOD TO GO!
7 A.M.-MIDNIGHT

DO YOU LIKE TO BEAT PEOPLE UP? Why not do it legally by showing up at the meeting of the boxing team on Friday, October 27? Anyone interested in joining the team should attend the meeting in the gym. See Sonny Wexman for further details.

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PHILIP MORRIS is, indeed, America's FINEST Cigarette:
Protests heard; NSA still passes

Voting for a second time on the first vote, the ITSA board of directors authorized a series of changes to the TITSA board. After hearing from students who had voiced their concerns about the possibility of the NSA taking control of the board, the student body passed a resolution that "TITSA shall be a National Student Association." Funding for the 1965 operations budget was also discussed. The motion to pass the budget was carried by a vote of 29-2.

Standards in noise is topic of speeches

Professor Meade will speak at the Newman club meeting next Tuesday at 7 p.m. in 111 NCT. At this meeting Mr. Meade, who has recently returned from Korea, will tell us of some of his experiences and impressions there. All students and staff are invited to attend this lecture.

"What's been some fun?"

The Techs will be the first evening meeting of the year next Wednesday, in the Executive Conference room in the MC building. The topic of this meeting will be "Why Tech Education for What?" This will be a discussion of some of the problems, reasons, and needs for a Tech education.

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