TECHNOLOGY NEWS

ILINOIS INSTITUTE OF TECHNOLOGY

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CONCERT TO BE HELD ON JAN. 18

120 IIT Men to Appear in Goodman Program

The Goodman Theater, in cooperation with the IIT Student Union, will present a concert on Monday, January 18, at 8:00 P.M. The concert will feature the music of two groups of student musicians: the IIT Symphony Orchestra and the IIT Wind Ensemble. The program will include works by Mozart, Weber, and Beethoven, as well as contemporary pieces by American composers. The concert is free and open to the public.

ITSA AFFAIR TO FEATURE BROWN

Warren Brown, sports editor of the Chicago Sun, will be one of the featured speakers at the ITSA Athletic Honors Banquet on January 20. Brown will discuss the role of the sports editor in the modern newspaper. The banquet will be held in the IIT Union dining room, and the program will include a dinner, speeches, and a dance.

Purdue’s President E. C. Elliot To Be Graduation Speaker

Year’s Largest Commencement to Be Held
Feb. 21; About 285 Degrees to Be Given

Valentines Due For Delivery This Week

If you are a student who has not yet made arrangements for Valentine’s Day, you should act soon. Cards are now available for pick-up at the IIT Post Office. The cards will be delivered to the dormitories on February 14.

Total Modernization of Dynamo Laboratory is Now Underway

Nine Men Initiated By Pi Delta Epsilon

Formal initiation of nine new member of Pi Delta Epsilon Engineering Society was held on January 8.

Froshmen to Hold First Dance of ’64

First froshmen social of the new year will be held on January 12 at 8:30 P.M. in the Student Union. The event will feature a dance, with music provided by the IIT Dance Band. The dance is open to all students.

Senior Farewell to Be Cabaret Type Dance at Terrace Casino February 11

June Grads Elect Puchalski President

Els Puchalski was elected president of the June graduates early in December.

Ferguson Replaces Lippert, to Manage All IIT Cafeterias

All IIT cafeterias are now under the charge of Miss Margaret Ferguson. Ferguson succeeds Miss Victor C. Lippert, who resigned.

Minkler Leaves for Navy

Harold Minkler, instructor in electrical engineering at IIT, will leave for the navy on January 15. Minkler has accepted a position in the navy, and he will be stationed at a location to be announced at a later date.

As I see it

by MILTON MARGULIS

Despite the related use of the terms, there is a difference in the two words. An author is someone who writes, while a reader is anyone who reads the writing. IIT is a good example of a writer, but not necessarily a reader. A writer must work harder than a reader, for IIT is a difficult discipline. The reader has only to read the book and grasp the ideas. The writer must not only create the book, but also make sure that it is readable and easy to understand.

10 Men Pledged To Tau Beta Pi

Ten IIT students, outstanding in their achievements as undergraduates, were elected to Tau Beta Pi, national honorary engineering fraternity, early in the morning of January 5.

Snow Ball” to Be Given Saturday in West Campus Gym

Snowball and theme dance will be held Saturday night in the IIT Post Office in the West Campus Gym. The dance is open to all students, and tickets are available at the Student Union, the Interfraternity Council, and the IIT Post Office.

Tech Time Table

Monday, Jan. 11

6:00 a.m.-7:00 a.m. — Snow and Ice on Roads

Tuesday, Jan. 12

1:00 p.m.-5:30 p.m. — Guayacan Ambassadors in Residence

Wednesday, Jan. 13

1:00 p.m.-5:30 p.m. — Guayacan Ambassadors in Residence

Thursday, Jan. 14

1:00 p.m.-5:30 p.m. — Guayacan Ambassadors in Residence
Rho Epsilon or a Lounge

In conjunction with its efforts to provide everything it can for the welfare of the staff and student body, the administration is contemplating the construction of a lounge for the secretaries on the IIT campus. The present location for this lounge is the rooms presently occupied by Rho Epsilon, the honorary radio fraternity. Because of the more pleasant surroundings of IIT and the hire of higher paying jobs, such a project would be advantageous to both the secretaries and the Institute. Some place should be provided where the girls can relax together. Nevertheless, the question needed was whether it would be of greater advantage to the school to make a recreation center or to find a better one.

If the lounge was placed in Rho Epsilon's rooms, the fraternity would be forced to find new quarters. The Lewis campus has been suggested as a possible place for Rho Epsilon. Such a move would incur the cost of moving the present equipment, redecorating their present rooms and their proposed rooms. It does not seem like a better place for the lounge? As one suggestion I would like to propose the basement of Chapin Hall. This could be accomplished by removing the lower half of the basement and placing a lounge over it. The secretaries, who would have to climb four flights of stairs every time they wanted to relax, would be saved.

Let us also see how this proposed change would affect Rho Epsilon. The greatest majority of all students interested in radio are located on the south campus. All of their free time while in school is also spent there. If the members were forced to travel from one campus to the other the activities of the fraternity would undoubtedly be curtailed. In looking over the proposed changes I don't see how the school could afford such a move.

They are now one of the most active groups on the campus. Recently they have completed the construction of an FM transmitter and at present they are giving public television demonstrations. They have initiated and are now conducting a code checking service. The construction of the FM transmitter they have earned the lasting debt of the school. They have provided a means whereby people throughout the Chicago area can see such programs as "Ivanhoe." They have also helped the school laboratories by making the use of the transmitter and an amplitude modulation transmitter available.

From Our Readers

Dear Editor:

In your recent column "As I Am IT?" there was reference made to a group of "mathematically talented" individuals who called their athletic team the "Dread Dodge." We, the mathematically talented, would like to express our thoughts on the matter. It is true that we have many critics, but never have we realized that the name we picked for our team would cause so much controversy on the campus. We hereby announce the changing of our team's name. We will hereby be known as "The V-shaped." From being put out by your criticism, we invite it. We are glad to see that Technology News takes an interest in what goes on at Lewis, and we will always be considerate of any constructive criticism directed our way.

PARTNER DODGE

Dear Editor:

I noticed in the last issue of Technology News that all civil students who have not passed their first semester of their sophomore year by March 1, 1961, will be forced to follow the curriculum as prescribed by the Navy. Now, I am wondering by what right or reason should we be forced to follow the curriculum prescribed by the Navy?

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The alumni corner

Duke Ellington Moves into the Boulevard Room

After seeing action in the invasion of Morocco and the battle of Kasa, Pasp, Gasain, El Guiltar, Masmora, Mazer, and engaging in the last battle of the Tunisian campaign, Maj. Lawrence Smith, A. 26, was wounded on the 12th of November. He served with the 14th Staff Corps, military intelligence division, and is now recovering in Michigan.

The highest score ever recorded in the Army Air Corps mental test was made two weeks by Howard R. Stewart, III, Jr., who is now in basic training in Maine.

Although a south west beach beauty might pull one to romance, Maj. Louis E. S. Green, A. B., theft, preference for D.S.A. girls. He married an army nurse "somewhere in New Guinea" last September.

Former naval swimmer of II, Whitney Pearson, a pharmacists mate, took third place in a recent Hawaiian naval swimming meet.

Such is Life

They say Frank Sinatra is godfather of the music world and his influence and power are so great that even his enemies have to admire him. The fact that he has a record deal with Capitol Records and that his music is played on every radio station in the country is a testament to his enduring popularity.

When a person boards a street car nowadays, he is greeted by a flood of advertisements which hope to entice him into the employ of the transit company.

"Get into World War - Become a Trolley Pilot," the sign reads. Trolley Pilot, mind you. The good old days of the bell clanging, clock watching, truck curving maneuvers are over. The days of the Trolley Pilot, that is. In the next step in this campaign is the change of the name of the street car to "Crimson Carrier".

In the near future, we can expect the company to install an intercommunication radio set in each "shad" so that the pilot can converse with his navigator, formerly known as the conductor. A typical conversation may sound like this:

"Trolley Pilot to navigator: have I picked up the beam yet, Joe? Come in, Joe."

"Navigator to Trolley Pilot: still riding the C D B, double decker beam, Harry. Everything Roger and Snake.

Perhaps the divisional headquarters can reward meritorious service with appropriate decorations. A navigator who crowds more than two hundred people in his "shad" at the same time could be awarded the Distinguished Service Cross. Pushing more than three hundred people into the same "shad" certainly should merit an Oak Leaf Cluster. A pilot or navigator who has worked the rush hour for a year or two, can probably make it.

A question arises as to what type of uniform the Trolley Pilot will wear. Certainly, the blue and white uniform is not suitable for a commissioned Trolley Pilot. You might expect the pilot to climb into his "shad" wearing a heavy fur coat, leather helmet, overcoat, and boots, helmet, complete with goggles. A new man on the job may get to wear the "cowl" uniform which he has been wearing.

Any day now, headquarters may receive "logs" of the various "shads" which read something like this:

"Took off from Devon Field at 0800, visibility poor, zero fog. Proceeded south by east following the railroad, climbed to 2000 feet, made contact with the vicinity of Madison. Encountered flak from residents in neighborhood of 43rd Street. Rejoined course at 0900, continued to 79th Street Bridge. Came in with a ding and the force."
Research Foundation

Devoted Entirely To War Effort

Metals and Minerals Research Covers Wide Range on Projects

Anne Logue Cuppper

The five Revere Copper

and Brass Inc. has launched a new program of research on the manufacture of copper. The possibility of heating copper selectively by high-frequency techniques is now under study.

The Foundation has already made considerable research on the heating of steel, and the application of the method to the production of stainless steel is now being studied.

Chemical Engineering Projects Include Survey of Resources of the Argentine

Argentina Survey

Completed in 1940 by the

Argentina Trade Promotion Corporation, a government-sponsored agency, to study the economic resources and industries of Argentina, the Institute of Research completed its field investigation in this project during the war.

The survey will be used in preparing a project which will be submitted to the government of Argentina for the purpose of investigating the economic resources, industries, and industries of the nation.

Drum Cleaner

A comprehensive program for

the development of new fuel-saving materials and the improvement of existing materials and processes has been sponsored by the Jewish Textile Mills. As a result, a drum has been made of the manufact.

Bull Water Conditioning

A project for improvements in the conditioning of boiler water for

locomotive and industrial plants has been initiated by the Southern Chemical Company.

Powder Metallurgy

An investigation sponsored by the American Iron and Steel Institute has been made of the manufacture of powder for the manufacture of steam turbine and machine tools.

Ceramics Research

The project sponsored by the

Quaker Oats Company is devoted to the development of new materials and the improvement of existing materials and processes in the field of ceramics.

Core Binders

The project sponsored by the

Ralph Laurence Foundation, in cooperation with the United States government, is devoted to the development of new materials and the improvement of existing materials and processes in the field of ceramics.

The Foundation's annual budget for 1943 has been increased by $75,000, bringing the total amount to $1,250,000.

The second anniversary of the Foundation's activities marks the completion of the first year of its activities. The Foundation has already made considerable research on the development of new materials and the improvement of existing materials and processes in the field of ceramics.

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Color Separation and Corrosion Fatigue Are Two of Many Physics Projects

Calculating Machine

During the past four years the Foundation staff members associated with the program on the noise reduction of the Compressors of the Calculating Machine for Pelt & Thermal Manufacturing Company have developed special techniques in adapting electronic equipment to the measurement and analysis of sound or vibrations. The availability of these skills and equipment made it possible for the Foundation to embark quickly on an active N.R. D. C. war research project without any loss of time for preliminary organization.

Color Separation

The exhaustive program of color reproduction for the Graphic Arts carried on at the Foundation for several years has made possible the acquisition of knowledge, experience, and skills in handling color reproduction techniques. The background thus obtained proved invaluable during the past year in cooperation with the Army and Navy on the new American Laboratory Testing Program, as a part of this testing program it is necessary to ascertain the right color of the plates and be sure that the quality of performance of the oil can be made by the appropriate navy and army

Corrosion Fatigue

A comprehensive study has been conducted in the past five years with high pressure gas cylinder failures in service at the Foundation under the standard hydrostatic test. This study has revealed that failures of this type are due to combined fatigue of the interior surfaces.

Electro-mechanical Devices

The development of equipment and methods for making optical studies of stressed components has been very successful on the past three years, and has been completed. Some of the methods are now being adapted as standard engineering tools. The Foundation consists of a new unit of equipment of the Caterpillar Tractor Company which specializes in this work.

Electrical-mechanical Devices

During the past year the electrical staff of the Foundation has cooperated with the electrical section of the U. S. Army Engineer Board of Fort Belvoir, Virginia, in a program of research and experimental model construction at Fort Belvoir. This work has been under the direction of military operational use of equipment.

The Exxon Engineering Corporation has undertaken and study of both aircraft instrumentation and electrical equipment for several years.

In addition to the work on electronic equipment for manufacturing quality filters, studies were undertaken during the year. Numerous filtering media were evaluated in order to determine a new and effective filtering medium for use at both high flow rates and high efficiency.

Photicomographs

In addition to the survival of the United States, the Foundation's program of research for the improvement of optical systems in many forms, including the development of new and improved materials, has been continued. The Foundation's program of research in this field has been under the direction of the Optical Research Laboratory, which is responsible for the development of the Photomicrograph, a new optical instrument, which is shown below.

Need of U.S. Forms Nucleus for Foundation's Own Research

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Airport Paving Is Mechanics Study Sponsored by CAA

The Foundation is conducting an engineering study of airport paving materials with a view to the improvement of the existing paving materials. This study is designed to determine the behavior of the paving materials under various conditions and to provide a basis for the selection of the most suitable materials for particular applications.

Electrostatic Machines

The Foundation has undertaken a program of research into the behavior of electrostatic machines with a view to the development of new and improved material for such machines. This work is being conducted under the direction of the Electrostatic Research Laboratory, which is responsible for the development of new and improved materials for electrostatic machines.
Tech Cagers Win Sixth Straight Game

IM Touchball Tourney Nears Final Stages

Chicago Falls to IIT

Senior Chems Defeat Junior Mechs No. 1 To Keep Bowling Lead

IIT to Forego Relays in 1944

Techawk Five Victors Over J. P. 1, 52 to 40

Quintet Has Longest Illinois Tech Winning String

The annual Illinois Tech Relays will not be held this year due to the uncertainty of the outcome, according to the chairman of the committee in charge of the Relays. The schedule of the University of Chicago field is now filled with service program events, and the Tech Relays would not be available for the relay.

Before cancelling the relays, the committee was faced with the consideration of bringing 200 to 500 trackmen on the determination of the results.

Contrary to last year, when several injuries were received causing the holding of the relays, no requests have been received this year. This indicates the uncertainty of a relay every year, even though trackmen and women who participate.

IIT Cagers to Play Twice This Week

Postmen of a six-game winning streak by IIT's basketball team, the variety cagers will be trying for their seventh and eighth consecutive victories over Techmen. Their record is seven wins and two losses.

The IIT basketball team will travel to Winona Wednesday night at 9 P.M. at the U of C Fieldhouse and University Arena. Both games will be played on the court.

IM Captains to Pick All-Stars

The following teams are to vote for the selection of an All-Star Touchball Team, announced by Jim Oldsbraun, Tech wing forward.

They are Cliff Oliver, Ted Anderson, Chuck Fink, Jim Oldsbraun, Bill Gifford, Kent Laidlaw, Red Postrath, Robert La Vrana, Tom Hoffman, Bill Otis, and Jim Oldsbraun.

It is requested that the voters select two names for each and designate first and second selections.

They are also requested by Oldsbraun to select members of their own team to the All-Star list.

Sweep Schedule for January Announced

The following schedule has been announced for the Techawhink tournament during January 15 through 23 when Tech will play Illinois State Normal University.

The Techawhink is a home team in the tournament, and will play 10 times. Each team will play three games.

The schedule is as follows:

- January 15: Tech vs. Indiana State Normal
- January 16: Tech vs. Illinois State Normal
- January 17: Tech vs. Northern Illinois
- January 18: Tech vs. Western Illinois
- January 19: Tech vs. Eastern Illinois
- January 20: Tech vs. Southern Illinois
- January 21: Tech vs. Western Illinois
- January 22: Tech vs. Eastern Illinois
- January 23: Tech vs. Illinois State Normal

Tuesday Set for IM Basketball Deadline

Cliff Oliver announced that the Tech basketball deadline for the Techawhink tournament is tomorrow at 5 p.m.
News of Fraternities and Sororities

Pi Kappa Phi Pledges To Elect Officers
Pi Kappa Phi recently pledged Lawrence Frieren and Low Suth, residence Wednesday evening at 11:30 p.m. in the main building. Specials for a make-up of the fraternity is as follows:

Final Examinations Set for Feb. 22-26
Final examinations for the current term will be held during the week of Feb. 22-26. Final exam dates for the current term are listed below:

February 22:
- 8-10 a.m.: English 213
- 12-2 p.m.: Chemistry 211
- 2-4 p.m.: History 212

February 23:
- 8-10 a.m.: Physics 210
- 12-2 p.m.: Mathematics 215
- 2-4 p.m.: Biology 214

February 24:
- 8-10 a.m.: Economics 217
- 12-2 p.m.: Political Science 218
- 2-4 p.m.: Philosophy 219

February 25:
- 8-10 a.m.: Psychology 220
- 12-2 p.m.: Sociology 221
- 2-4 p.m.: Anthropology 222

February 26:
- 8-10 a.m.: Modern Languages 223
- 12-2 p.m.: Classics 224
- 2-4 p.m.: Music 225

Albatross Sigma Phi To Meet Wednesday
Albatross Sigma Phi will meet Wednesday evening at the president’s house, Robert Odgersen, Robert Fancher, and Robert Ewell, all men are alumni of the society who were formerly in the past three years. The meeting will be held in the president’s house at 8 p.m.

Albatross Sigma Phi To Meet Friday
Albatross Sigma Phi will meet Friday evening at the president’s house, Robert Odgersen, Robert Fancher, and Robert Ewell, all men are alumni of the society who were formerly in the past three years. The meeting will be held in the president’s house at 8 p.m.

Deadline for News Submissions
Submissions for the news section are due by 4 p.m. on the Tuesday before publication. Submissions are subject to editing and may be shortened for space or clarity. Please submit news items to news@university.edu.
SLAPSTICK
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