

Pi Tau Sigma Pledges 15 Men

Jakob, ME Research Professor, Honored

Fifteen men were pledged to Pi Tau Sigma last Saturday evening. These men were chosen from the leading students in the mechanical engineering department for this national honorary fraternity.

Dr. Max Jakob, research professor of mechanical engineering at IIT and director of the Heat Exchange Laboratory of the Armour Research Foundation, was elected honorary member. Dr. Jakob is an international expert on heat transfer; in fact, the establishment of the international heat unit on electrical units was the result of Dr. Jakob's suggestion.

The new pledges will appear on campus Tuesday garbed in engineers hats, gauntlet gloves, red neckerchiefs, whistles, and monkey wrenches.

The mechanicals are: Norman Addie, Harlan Anderson, James Cubidge, Burdette Douglass, Gerald Golden, Don Hantak, Ed Hemzacek, Martin Kinnavy, Arnold Kramer, Russell Mueller, Walter Nathan, Lyle Packard, George Thyer, Louis Wengel and Kenneth Sanders.

One industrial engineer, Arnold Thompson, was also chosen. Thompson is a navy V-12 man.

F-M STATION

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original idea of an F-M station at Illinois Tech was conceived by three members of last February's graduating class—Irv Kaluzna, Rudolf Oras and Al Roberts.

When wartime restrictions curtailed the amateur radio activities of Rho Epsilon, radio fraternity, those students proposed that the society's amateur transmitter be converted into a broadcast F-M transmitter. Priority difficulties prevented actual fulfillment of the plans, however.

During the five-week summer vacation this year, Graziano and other seniors found it possible to continue work on the project.

They were aided in designing the transmitter by two members of the communications engineering department—E. H. Schulz, supervisor of laboratories for Illinois Tech's signal corps program, and J. N. Van Scoyoc, signal corps instructor.

The students themselves constructed the transmitter. In addition to Graziano, men working on the project included Frank Novak, junior electrical; Julius Simon and Casimir Raoudonis, seniors in electrical engineering; and others.

The F-M transmitter, rated at approximately 350 watts output, consists of a crystal oscillator stage, followed by a phase modulator and various frequency quadruples, ending in a RCA 831 tube. The transmitter will conform to standards of high fidelity F-M established by the Federal Communications Commission.

When a studio is actually set up with the student-built transmitter, auxiliary equipment will be added, consisting of frequency measuring equipment, a modulator indicator and various controls for a number of microphones and turntables. Several tests are still to be made before the station may be placed on the air, such as tests for overall audio response and frequency stability.

"A great deal of the credit goes to Kaluzna, Oras and Roberts, who started the ball rolling," Graziano said this week. "It has been a very interesting experience, and we've had an opportunity to learn many new things. Most of the experience has come from solving problems that didn't seem to appear in any books.

"Probably the most exciting time in building the transmitter was when the final exciter stage, consisting of a pair of 807's, finally



In a tavern out west, a minister ordered a glass of milk. The cowboys winked at the waiter to pour a little brandy into the milk. When the milk was brought, the minister tasted it, took another good sip, smacked his lips and declared: "Some cow."

V V V

Traveling Salesman: "Have you heard of Hart, Schaffner and Marx?"

Westerner: "No."

Salesman: "Have you ever heard of George Washington?"

Westerner: "No."

Salesman: "Have you ever heard of God?"

Westerner: "I believe I have. Ain't his last name Dammit?"

V V V

Girl Friend: "I had lunch with your husband this afternoon."

Wife: "I hope it does not reach the ears of his secretary—she is so jealous."

V V V

Ernest: "Last night I caught Hell from our Maid."

Lew: "Why?"

Ernest: "Because she caught me kissing my wife."

V V V

Wife: "Women have much cleaner minds than men."

Husband: "Why not; they change them more often."

V V V

Boss: "Where can I get ahold of Isabelle?"

Office Boy: "I don't know; she is awfully ticklish."

V V V

"Is there much drinking going on in this town?" inquired a stranger.

"All I can say is," replied the native, "they turned off the water several weeks ago and no one found it out until a house burned down."

V V V

Sambo: "Ah calls mah boy 'Prescription' cause it's so hard to get 'im filled, and ah calls my gal 'Flour' cause she's been thru the mill."

V V V

"My girl is like a telephone. There must be a ring before you can place your lips to her mouth piece."

worked after about four weeks of laboring," Graziano related.

The transmitter will be displayed on the west campus on the evenings of Sept. 15 and 17. Illinois Tech at that time will hold "open house" for prospective students in fall radio war training courses.

Graziano, whose home is in Oak Park, is president of Rho Epsilon and recording secretary of Eta Kappa Nu, honorary electrical engineering fraternity.

643 OFFER BLOOD

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much higher, Harry Gillespie, War Council chairman, stated, because a great many donors were turned away Thursday when it was learned that the unit could not stay an extra day. It was because of strict scheduling that this was impossible, Gillespie said.

The primary reasons for rejection were low blood counts, recent colds, and consumption of fatty foods prior to the donation. The complete statistics follow.

	Registered		Rejected		Actual Pints	
	Male	Female	M	F	M	F
Tuesday	168	13	27	4	141	9
Wednesday	206	5	27	3	179	2
Thursday	246	5	69	1	177	4
Total	620	23	123	8	497	15
Grand Total	643		131		512	

AS I SEE IT

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FOR ALL THE LATEST gossip, and for meeting the rest of your buddies, the first All School dance this Saturday won't be beat anywhere in Chicago. You'll be sorry if you're not in on the fun.

Notice

There will be no issue of *Technology News* next week, Monday, September 6.

Fraternity - Sorority News

Ida M. Didier Speaks at Fashion Board Luncheon

Ida M. Didier, professor of home economics at Lewis, spoke at a luncheon held by the High School Fashion Board last Friday at the Wieboldt's stores located at Lincoln and Belmont.

Miss Didier discussed the subject of choosing a wardrobe for the fall term of school. She explained how to care for this wardrobe once it had been chosen. "By taking good care of your old and newly acquired clothing," Miss Didier commented, "you would also help in the war effort."

The representatives to this fashion board were gathered from about fifteen of Chicago's larger high schools.

Armour Eye to Show Movie on Photography

"Headlights and Shadows," a 50 minute motion picture, will be presented by the Armour Eye on September 3 at 10:30 a.m. in 305M. This meeting will be open to the entire student body. "This movie, obtained from the Eastman Kodak Co., deals with all the aspects of photography," stated Bruce Kunde, the president of the club.

Six students who were pledged this semester are: John Vaikutis, John Sluis, James L. Bourke, Louis Wengel, Robert W. Erickson, and Edwin W. Johnston.

Eta Kappa Nu Pledges To Be Initiated Sept. 10

Eta Kappa Nu, honorary electrical engineering fraternity, will formally initiate its pledges at a dinner to be held in the Swedish Club, September 10, president Alvin Coyle stated today. Dinner will begin at 6:30 p.m.; entertainment and the initiation will follow, said Coyle.

4 Pledged by Kappa Phi Delta Sorority

Pledging to the Kappa Phi Delta sorority will take place today at Lewis. The four pledges that are heading for "hell-week" are Pat Collins, Maire Kissane, Martha Gessner, and Jo Ann Nichols. The pledging this week will end a three week period of rushing of these four people.

The Kappas held their formal rush at the Palmer House Sunday 15. This affair finished the rushing, and Blanche Fried, master of the pledges will take over.

Hayride Party Held By Zeta Beta Alpha

The five pledged to Zeta Beta Alpha Fraternity were honored at a hayride party last Friday at Elston Stables. Arrangements for the affair were made by Alvin Weiss, pledge-master.

The new pledges are Seymour Axelrod, Elliott Friedman, Joseph E. Katz, and Sam Zerlin. Boris Stern was also pledged but will leave for Madison, Wis. in the ASTP on September 3, and alumnus Roy Grotto will report to U.S. Naval Academy at Annapolis about September 1.

Theta Xi Smoker to Be Held August 30

In a recent issue of *Technology News* it was stated that Theta Xi would have a smoker on August 16. According to Tony Lameika, rushing chairman, this date has been changed to August 30 at seven o'clock in the lounge of the Student Union Building.

The members of Theta Xi extend an invitation to all students to take this opportunity and become acquainted with their organization.

Lewis may get New ASTP Unit

Army Inspects Campus For Housing Facilities

The Lewis campus is being considered for a new ASTP training center.

According to Dean Linton E. Grinter, vice president of the Institute, the administration is investigating the possibilities of using the Lewis and pre-radar buildings for housing, feeding, and teaching 300 to 500 ASTP men.

A preliminary inspection was made last Thursday when Colonel Grover B. Egger and Captain George Hudson, executive officers of the ASTP group on the south campus, were conducted on a tour of the Lewis Campus.

Dean Clarence L. Clarke, dean of arts and sciences at Lewis, showed the officers the accommodations at Lewis. Dean Linton E. Grinter and Dean Charles Austin Tibbals accompanied the army men from the Armour campus.

No definite decision has yet been made, however.

A considerable number of physical changes would be necessary. Plumbing facilities, especially, would have to be provided. Priorities on plumbing equipment would have to be obtained.

The Lewis cafeteria is considered adequate to provide for the proposed number of men that would be sent there.

A separate unit would not be formed if an army group was sent to Lewis. Colonel Egger would be in charge of both sections at IIT.

YELLOTT APPOINTED

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the department of physical sciences. Dr. Yellott will remain as the director of the war training program at IIT. Under his direction, 30,000 war technicians have been trained here.

He organized the first ordnance inspection school in the nation. He also took the responsibility for industrial safety in the Chicago area at the request of President Roosevelt's Committee for the Conservation of Manpower in War Industry and organized a safety program so large that its trainees now number one-fourth of the national total, according to the recent reports from the ESMWT.

The Department of Labor has adopted the Illinois Tech Safety Training system which Prof. Yellott devised.

He also organized the Explosives Safety School for the Safety and Security Branch, Office of Chief of Ordnance, of the War Department. Its task is the training of experts to cover all of the nation's 600 munitions plants.

Dr. Yellott was named the "Outstanding Young Man of Chicago" by the Junior Association of Commerce in January, 1943.

In 1939 he was selected by Pi Tau Sigma, honorary mechanical engineering fraternity, as the outstanding mechanical engineer of the past decade.

In 1943, he was also named by the Illinois Junior Chamber of Commerce as the "Outstanding Young Man of Illinois".

DANCE TO BE

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for use for this dance. "The Link" was allotted \$25 by the ASSO for the purpose of initiating the service. Ted Pilat and Chet Swan announced that the slight charge will be used in executing its activities.

The rates are 10 cents for the first time, and 5 cents for successive times for ITSA members; 25 cents for the first time and 15 cents thereafter for non-members of the ITSA. Faculty and graduate students will pay 50 cents for the service. Applications can be obtained and returned at the ITSA office.