

Dr. L. E. Grinter Urges College Training For 100,000 Engineers

Warning that there will be a five to ten year famine in technical personnel unless education in science and engineering is re-established immediately on a large scale, Dr. Linton E. Grinter, dean of the graduate school and vice-president of Illinois Institute of Technology, today urged college training for at least a hundred thousand additional engineers and scientists.

"With the war ended and industry involved in the processing of reconverting to peace-time production," said Dr. Grinter, "the long term effects of restricted education in advanced scientific and engineering fields during the war can no longer be ignored.

"If the country is to provide 60,000,000 post-war jobs, the number of engineers and scientists must be increased drastically. Considering the permanent displacements of technical personnel occasioned by the war and the reduction of graduates in engineering and in the physical sciences, along with the increased demand for technical services brought about by the industrial change-over, the production of young scientists and engineers will come too late to meet industry's critical needs if the technical schools are not filled with students very soon.

Dr. Grinter stated that at the peak of technical employment (1940) there were estimated to be 280,000 engineers and 70,000 chemists, physicists, and mathematicians in the United States. These persons were needed to operate properly an industry employing 35 to 40 millions of persons. Thus the technical personnel represents somewhat less than one per cent of industrial employment for proper efficiency.

At that time, he said, colleges were graduating 14,000 engineers and about 3,000 young scientists each year. In contrast to 14,000 normal engineering graduates, the number of civilian senior engineers in college in the fall of 1944 was 2,942 and that number has gone steadily downward.

"Based upon known percentages, there will be needed at least a hundred thousand additional engineers and scientists, a considerable percentage of whom cannot be trained in less than four academic years, and a small percentage of whom require a minimum training period of at least seven years," Dean Grinter said.

"It is known that England and Canada did not permit a stopping of scientific education to the extent that the United States has done during the war; and it is known that both Germany and Russia have maintained technical education at a rather high level. This means the United States will face difficult post-war industrial competition, and particularly so unless a reversal of our attitude toward the importance of technical education is adopted," he concluded.

Many Seniors Come To Stag in Lounge

Well over a hundred of Illinois Tech's male students turned out for the 4B stag last Friday evening. Crowding the Student Union lounge well before the scheduled time of beginning, the noisy, laughing crowd was entertained with a two hour program of movies and refreshments.

By 7 p.m., the time social chairman A/S Harry Knowlton had planned to begin the evening's activities, every available chair, couch, table and square foot of desirable floor space was occupied by someone. Most of the attendance was made up of navy trainees from the nearby quarters on Michigan Ave.

Entertainment for the evening was the showing of five movies: a full length feature, three selected short features and a cartoon. The full length movie was titled "A Study in Scarlet" and turned out to be a typical Sherlock Holmes murder mystery.

The stag was concluded with the serving of cokes at a little before 10 p.m.

NEW DIRECTOR

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the American Society of Civil Engineers, American Society of Mechanical Engineers, Society for Automotive Engineers, American Society for Metals, Society for Experimental Stress Analysis, American Welding Society and Society for the Promotion of Engineering Education.

He holds bachelor's and master's degrees in civil engineering, as well as a master's degree in physics, from Rennselaer Polytechnic Institute and a doctorate from the University of Michigan. He has served on two other college faculties in addition to that of Illinois Tech.

Fraternities & Sororities

WAVE Disbursing Officer To Be Attached to IIT

The navy office announced the attachment of a disbursing officer to the unit. Lt. (JG) Dalphine MacMillan, of the WAVES, has been directed to report for duty to the NROTC unit here. Lt. MacMillan was previously attached to the NROTC unit at the University of Nebraska, and will arrive on or about Sept. 20 to take over the duties of the disbursing officer. These duties at present are being handled by Lt. T. Martus.

Lt. F. A. Brown, USNR medical Corps, has been permanently attached to the IIT V-12 unit. Dr. Brown has been serving 87th and Anthony as well as IIT naval trainees, but now will be stationed at IIT exclusively.

PSYCHOLOGICAL

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ment of educational tests and professor of mathematics; Dr. David P. Boder, professor of psychology; Dr. Ernest T. Walker, associate professor of education and former acting dean of the department of arts and sciences; and Miss Anna C. Oreutt, clinical psychologist.

The director of the new institute, George S. Speer, a graduate of Central YMCA College, received his master's degree in psychology from the University of Chicago. He has since served as research assistant with the Mooseheart Laboratory for Child Research; psychologist at the Berkshire Industrial Farm, Canaan, N.Y.; psychologist, Child Guidance Clinic, Springfield, Ill.; and professor of psychology, Central YMCA College, dean of students and director of the institute for Counseling (1940-45).

Indiana Dunes Beach Party Held by Delts

The Delts held a beach party at brother Wilt's cottage in the Indiana dunes last Saturday. Picnic lunches were packed by the girls while the fellows supplied the drinks.

The chapter was honored by the presence of Bill Pouzar at the last meeting, and he says he will try to come more often.

The fraternity is looking forward to the "Autumn Nocturne" because many alumni will attend, and six tables have been reserved for the occasion.

All-Day Picnic Held By Alpha Sigma Phi

Alpha Sigma Phi fraternity held an all-day outing at Lake Marie near Antioch, Ill., yesterday. The outing was arranged by the pledges at the meeting held last Wednesday.

The next meeting will be held on Wednesday at Martin's Restaurant, 120 South LaSalle St.

Pi Kappa Phi Forms Planning Committee

A "planning committee" has been instituted by Pi Kappa Phi, said Archon Ray Olson. The group is composed of Olson, treasurer Don Helbling, secretary Wally Breisch, historian Howie Johnson, social chairman DeWitt Pickens, and pledgemaster Bill Ludwig. The group will meet this week.

Dick Stark, fresh from "boot" camp, paid the fraternity a visit at its meeting last Wednesday.

NAVAL NOTATIONS

Quarters #2

With the arrival of the word that eight term men will be civilians in six weeks, the boys have been burning the wires phoning "I'll be home for Thanksgiving." Low men on the totem poles are the fifth termers, who thought that they would be able to sneak by as engineers but are being transferred to NROTC.

The Junior dance is Saturday, and speculation is running rampant as to whether the boys will be allowed to wear civilian clothes or not. Sam Schimmelpfenig says, with all those civilian pockets, the well-known poem will no longer hold:

I wish I were a kangaroo,
Despite the way he prances,
I'd have a place to put the stuff,
My girl friend brings to dances.

A noticeable increase in the ease with which the men are making muster on time has occurred since the bell system was repaired. No longer does the watch have to beat his lungs out trying to get the men to fall out.

Ten of the men from the house left on liberty last Friday night to celebrate the Hebrew New Year.

Quarters #3

The announcement that all naval personnel would be allowed to wear civilian clothes when off duty, brought joy to the hearts of many Techmen. Among those who planned an extensive wardrobe of sports clothes, formal evening wear, etc., were Bill Cummins, Art Boettcher and Bill Granich—but someone countermanded the order. Since no one knows what the official order is, the boys are in somewhat of a quandary.

"Inactive duty for those completing the eight term engineering course" ran the order on the Exec's bulletin board. Accordingly, interest in studies and, incredibly, post-navy plans for further education and for jobs has picked up. In a blissful haze are the more domesticated of the trainees, who can now look for-

ward to wedding bells in a few short months.

Quarters #4

With the announcement of the disposition of eighth termers, ten men in the quarters are happily planning a farewell to navy blue. Their post-navy plans include everything from marriage to a continuation of their education.

Another announcement that caused a furore in the quarters was that of being allowed to wear civilian clothes when off duty. Many men were busily planning their wardrobe, and one certain eager beaver, T. S. Knepper by name, went so far as to suggest a formal dance with tails, etc., when someone rescinded the order. Oh well, November's not so far off. In fact, Marty Givot's favorite expression is, "Only forty-four more days!"

Ray Murphy has been looking for a new home for Nimitz, the campus pooch. According to Murphy the admiral is housebroken in reverse!

Quarters #5

The men in the quarters were treated to cokes Friday, just as they were promised by a departing 230-lb. trainee bound from midshipman's school. Yes, old Carl Sielaff has made good. Sielaff, by the way, was the only man out of three from the quarters who withstood the grind. Now on his way to Frisco where he is to be attached to a new destroyer, Carl has been enjoying a few days of leave and ribbing his buddies. He also had to pay off \$40 in bets he made as a pessimist, wagering he never would get through midship school.

A sink has been installed in the quarters to replace one which had served faithfully as a rinse basin for a long while. Said Pat Sweeney, when questioned on the usefulness of the new sink, "It's absurd, I couldn't wash a hanky in the damned thing" Harry Twickler said, "I'd like to see that old plumber try to wash with that kind of a set up."

Quarters #6

Ed Forhan was transferred to Great Lakes for medical attention last week. Scuttlebutt said his trouble was diphtheria, but as yet there is no confirmation of this. It is hoped that it is only rumor. With just a week until the Junior Dance, a quarantine would be especially unwelcome.

Bob Montague, "Porky" Stewart and Milt Ernst have lived in the midst of falling plaster and hanging laths for some time. Last week the carpenters worked on it, and since then nobody dares to enter the room. It requires fifteen minutes of digging in chips of plaster to find a book. One advantage is that plaster has the same effect as starch: whites stay pressed, even if they are no longer white.

Quarters #7

This week Quarters #7 announces a new type of "Man of the Week." He is Leo "Oops" O'Donnell, whom Lt. Sessions caught "sacking in." When Leo woke, he gave out with a loud "Oops" to the great amusement of the captain.

George Marzeck wants it to be known that he has turned over a new leaf. He drank "cokes" at the Three Deuces Tavern last week, and he settled for "7-Up" at another bar.

Tom Burt is having difficulty trying to decide which one of his many girl friends to take to the "Autumn Nocturne."

The tenants of this quarters figure that they are in for a life of cleaning details now that several of the pharmacist's mates have moved in.

Phil Jansen is having pre-marital mother-in-law trouble. The other night he was looking for a kind-hearted mate to call his girl, just in case her mother answered the phone. Could it be that Phil was serious when he said, "I'm off women!"?

Gene Kleeman is looking for recruits for the quarters touch football team.

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TECH TIME TABLE

All items appearing in Tech Time Table will be those which are scheduled with Dean Tibbals. No other items will be used.

MONDAY, September 10
Sigma Alpha Mu, 5 p.m.
105 C

FRIDAY, September 14
Band Concert, 11 a.m.
S. U. Lounge
ASME, 11 a.m.
305 M

SUNKIST PIES
Are Served Exclusively In The
IIT Cafeteria