

SIX Whiting Corporation Inaugurates Engineering Scholarship at IIT

Looking toward the tremendous need for trained engineers which will arise in post-war industry, Stevens H. Hammond, executive vice-president of the Whiting Corporation of Harvey, Illinois, today announced the establishment of a \$25,000 Whiting Scholarship Fund at Illinois Institute of Technology.

In presenting this gift to Dr. Henry T. Heald, president of Illinois Tech, Hammond stated that the Whiting Corporation desired that it be used in training worthwhile young men enrolled in both full and part-time courses.

This amount will be used largely in connection with the Institute's co-operative courses in mechanical engineering, evening school courses, and the part-time educational programs. Part of the fund may be used to provide assistance to returning veterans who wish to resume their education and find their government assistance insufficient.

The new scholarship fund will be utilized chiefly in aiding employees of the Whiting Corporation and their children to obtain education in one of the engineering programs offered by Illinois Tech, Hammond said.

The 60-year old Whiting Corporation is at present engaged in full-time production of "mixers" for robot bombs, engine stands for B-29 bomber motors, rocket parts, mine exploding devices, and equipment for other war manufacturers. About 1,200 persons are currently employed.

New Fluids and Heat Division Begun By ARF

Fluids and Thermodynamics is the name of the new section of the Armour Research Foundation, announced Dr. Jesse Hobson, director. Dr. Warren E. Wilson is to be its chairman. The original division, generally known as engineering mechanics, consisted of four major units: solids, electronics, fluids, and heat.

Navy Dental Office To Be Established At IIT in Few Days

A navy dental office will be established at IIT for the trainees within the next few days, Lt. A. W. Blake, executive officer, announced today.

The office, which will be located in the present storeroom's office, will have complete dental equipment, including a dental chair and X-ray facilities. The equipment will be shipped from a WAVE school in Iowa, where it was excess material.

A dental officer, who was to have had an office at the University of Chicago, will now be attached to the unit. Previously the men of the unit have reported to Navy Pier and the U. of C. for dental treatment. The office will be established here because of the anticipation of an increase in strength of the unit following the inauguration of the NROTC unit in November, said Lt. Blake.

Landay Plans Formation Of ARF Sports Groups

Hans L. Landay, of the Armour Research Foundation's glass-blowing department, has agreed to organize sporting groups among the foundation members. Landay, well-known by IIT men as coach of the hockey team, says that interest has been shown in tennis, badminton, swimming, volleyball, hiking, horseback riding, softball, horseshoes, bicycle riding ping pong, and golf.

Chemical Honorary Pledges



PHI LAMBDA Upsilon—Recently pledged into the chemical engineering honorary are (left to right): A/S Donald Hedeon, A/S Frank Crossley, and Gorman Quinn.

Gas Institute Searching For Better Fuel Gas From Coal

The Institute of Gas Technology is working on the problem of producing high-heating-value gas more efficiently and cheaply from coal. Gas produced by the water coke reaction method used at the present time has too low a heating value and must

be enriched with natural gas or gas made from oil. This results in high operating costs because the process is intermittent and the oil used to produce the enriching gas is an expensive raw material.

Phi Lambda Upsilon Pledges Seven Men

Seven men have recently been pledged to Phi Lambda Upsilon, chemical and chemical engineering honorary, according to George Wihlmsen, president.

Undergraduate pledges are: A/S Frank Crossley, A/S Donald Hedeon, and Gorman Quinn. Graduate students undergoing their pledge-ship are: Orville Cavanaugh, Ira Dillon, Morris Feller, and Richard May.

Candidates took a two hour oral and written examination dealing with chemistry, mathematics, and physics.

Research, under the direction of Dr. J. J. Sebastian, is being carried on to develop a method of producing gas of high heating value directly and continuously from coal. This process involves the fluidization of coal, which is done by pulverizing the coal and bubbling gas such as steam or air through it. This produces a suspension of coal in the gas. Fluidization of coal also eliminates some of the problems of heat transfer and materials handling, as heat can be supplied directly to the powdered coal by hot flue gases. The powdered coal can be transferred through pipelines as easily as a true liquid.

A new device for powdering coal, the flash pulverizer, was invented by Prof. J. I. Yellott. Since Prof. Yellott left the IGT, research and development of the flash pulverizer has been directed by Mr. R. T. Griffith.

High School Students to Try for Scholarships

One hundred forty students, who have graduated from Chicago high schools or will graduate this year, are to write an examination this Saturday, May 19, for scholarships. These students are in process of being interviewed, and those who pass the examination will receive tuition for two semesters.

Historical Documents Are Rediscovered in Library

Documents of historical importance take their place among technical books at the south campus library. Among items of interest is a second lieutenant's commission issued by Abraham Lincoln in 1863. This document can be seen on the balcony of the library. In addition, historic relics from years back may be found throughout the library. There is a letter written by General Grant to a Union soldier in the year 1868. These are but a few of the interesting items which can be seen in the library.

Miss Cheshire, librarian, announced the addition of several new books to both the rental collection and the general titles.

Tutors Move To New Office

The tutoring offices have been moved and will be temporarily located in the room adjacent to the heat laboratory in the basement of Machinery Hall. This was revealed today by A/S Robert Thurston, who is in charge of the committee.

Programs listing the hours which tutoring services are offered will be posted today on bulletin boards in Main, Machinery Hall, and Chapin Hall.

"Students are invited", says Thurston, "to make use of the free instruction available."

All tutors are honor students and members of the various departmental honorary fraternities on the campus. The tutoring service was resumed last term by Pi Tau Sigma, national honorary mechanical engineering fraternity, at the suggestion of *Technology News*, and later the other honorary fraternities joined in the work.

Dr. Harris Named Acting Mechanics Department Head

Dr. Charles O. Harris was made acting head of Illinois Tech's mechanics department last week. The appointment was made by Dean Peebles so that Dr. Harris would be able to represent the department at any conferences on curriculum and program adjustments for post-war Illinois Tech. The position is, at present, not permanent.

Upon graduating from the University of Illinois with a Bachelor of Science degree in Architectural Engineering, Dr. Harris stepped into the research laboratory as a student assistant. Two years later, in 1932, he received his Masters degree in Civil Engineering and proceeded to put his education to the test of practical application. During the next few years he worked at a variety of engineering jobs.

"It is interesting to note that none of my education had prepared me for the role of a teacher—I'd never thought that I would like such a position," said Dr. Harris. Nevertheless, he accepted a professorship of Mechanics in the latter part of 1934 and has been with the Institute since.

Dr. Harris completed his formal education in 1941 when he climaxed nine years of study by receiving a Doctor's degree in Mechanics.

Students Asked to Report Changes in Class Schedule

William Kelly, registrar, said that many students have changed their class schedule without notifying the registrar's office. All students, both civilian and V-12 men, who changed their program since registration, are requested to correct their enrollment cards as soon as possible.

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NAVAL NOTATIONS

Quarters #1

Big topic of conversation last week was the recently posted officer ratings. Of great surprise to no one was the variety of grades received by quarters men. George Habenicht's lofty 3.9 should serve as a mark for others to shoot at in the following months.

Salty, the Quarters #5 mascot, learned that some cats have a fiery temperament. Salty was prowling through quarters the other day when he accidentally discovered the kittens corner and got his nose burned.

Quarters #2

Pepper, the quarters' mascot, still holds the spotlight during the morning calisthenics. Always willing to run after things, Pepper picks up everything from fish heads to pieces of dirt. Latest caretaker of the pet is J. Lehen and his buddies in the hold.

More than 100 men from the quarters were present at the Navy Ball held last Saturday.

Bob Trebileox was rudely awakened during a sun bath last week by a flying missile filled with water. It is rumored that some of his buddies are jealous of his "sun lamp palor."

Quarters #3

The quarters statistician notes that the chieftons had the lowest set of officer ratings in the unit. An exception was "Danny" Danne-maier—a boy with a potent 3.7 rating. Long suspected of getting by because his name is too lengthy for a demerit slip, Danny now attributes his success to accomplished yodeling of "The Wabash Cannonball."

Giving the Rosary College women a break were Paul Flood, "Gus" Trojan, Bill Sirvatka and "Norbie" Vojta. The boys attended a play given at Rosary College a week ago last Saturday night.

Quarters #4

Most of the fellows get enough talking done in the daytime so they use the night to relax their tired facial musculature. But some people are never satisfied. For instance, Ernie Kirstein, Don Nelson, Dick McKee, Bill Burrows, John Capron, and Bernie Brille all talk in their sleep.

Now Don gets quite interesting at times. One bright night he sat bolt upright in bed and said, "I've got to do it!" A few nights ago Bernie mumbled over and over "Don't do it." Whether there's any connection between the "its" and the "doing" is still a mystery. But on to lighter things: Ernie grunts and makes other very interesting noises in his sleep. Although the sounds are unintelligible, his facial expression gives him away. He always has such a pleased look on his mugg.

And orchids to Henry "Poppy" Camp for going to a movie last Wednesday instead of the Covered Wagon's stage show.

Quarters #5

Salty may have lost his dignity but he certainly gained experience in feline combat during his recent encounter with the quarters #1 cat. Salty was tailing Chief Sherer in his daily inspection when he happened upon the cat's litter. Resenting the intrusion, the cat immediately swung into action. This was something new to Salty who had been accepted by most four legged animals as a papa. The scrap ended with Salty humiliatingly furnishing transportation for the cat. Salty won't stay licked and to prove it, is taking a specialized training course in "Cats, defeat of."

Clark Huml, 3rd baseman of the quarters team, was slightly embarrassed Friday when he bent over to brush off his pants and he noticed

a ball fly by. Needless to say a run was scored.

LOST: One Triangle fraternity pin. Loss believed to have been impending for several weeks, occurred in pleasant surroundings, subdued lights. Owner shows signs of having lost his heart along with it. If Myrna Lokay should know of its whereabouts she is requested to please keep it safe, or return to Robert Keith.

Quarters #6

Joe Hardman learned a bitter lesson last week. After working side by side with Terry Rice for a few hours, Joe decided that an Irishman will never die working.

Room 301 is a lively place about 0300. When Tucker Hatzek, Tom Westlake and Leonard Ferguson start "Batting the breeze" in their sleep, it gets so nobody else can sleep. John Sajban must have enjoyed a dream Thursday for he was muttering something about, "Do it again." Shipmates are wondering if John is studying too hard or perhaps he is experiencing too many weekends.

Quarters #7

Tom Kilgariff and Dick Lander had a severe verbal duel upon the third deck the other night, and it seems that "Big Dick" had a little more than he could handle for a change. Norm Hankins was in the next room chuckling away at the excellent way Tom was carrying out the battle that he had started.

Arne Niemi didn't know quite how to take the senior stag—his only expression was "Ges." Among others who went were Sol Rosenthal, who is an old hand at that stuff by the way, and John Osborn, who was quiet about the whole affair.

Alan Grant was very nearly the recipient of a shower at the request of some of the fellows. He had to do some mighty fast talking to convince them that he didn't need one.

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