

First Four Year Course At IIT Was Mechanical Engineering

One of the first four year courses offered at the birth of Armour Institute in 1892, was in mechanical engineering. Since then this department has developed into the largest in the school. There are 818 students in the department who are enrolled

in four major subdivisions, the regular mechanical professional program the research and development option, the aeronautical option, and the management option.

Equipment is constantly being added to the ME labs so as to keep them up to date. In February there will be a steam power plant installed in the Heat Power lab in Machinery Hall basement. This will be the first school in the Chicago area to have such a unit installed. On a small scale it is a duplicate of a type of equipment found in major steam power plants. It consists of two steam turbines each driving its own twenty K.W. electric generator. The energy developed in each of the generators is used to drive a motor whose output is absorbed by a hydraulic type dynamometer. The equipment includes a steam condenser and complete control panels.

The curriculum is revised periodically. At the moment the trend is toward giving the ME students more

liberal arts electives as is shown by the latest revised schedule.

The teaching staff of the ME department is composed of thirteen men, four of whom have been added recently. The new members on the staff are Dr. Owens, Dr. Mullikin, Mr. Kezios and Mr. Sogin.

The activity of the ME department staff is not only confined to undergraduate and graduate courses at Technology Center. Every week a member of the faculty is sent to Milwaukee to offer graduate courses at the Allis Chalmers Company. At the present time an advanced thermodynamics course is being given there by Dr. Owens.

The department has two main research programs: one for the army signal corps to silence engine generator sets so as to prevent enemy detection, and another for the army air forces of investigating the heat transfer through windshields to prevent icing.

Dean Larkin Will Address SAM on 'Labor Relations'

Dean John Day Larkin, Dean of Liberal Studies, will address the November 13 meeting of the Society for the Advancement of Management. "Labor Relations" will be the topic of Dean Larkin's address.

Other programs being planned by the SAM for the future are: December 11, "Marketing"; Jan. 8, "Comptrollership"; and Feb. 12, "Management Consulting". Speakers for these programs will be announced at a future date.

An all-day field trip is being planned by the group for the near future. It is scheduled to be a tour through one of the larger industrial plants in the Chicago area.

Fraternities & Sororities

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several cultural meetings and many more social affairs.

SIGMA BETA THETA

The Sigmas held their election of new officers while at their annual cottage party this summer. The officers now guiding the current rush activities are: President, Pat Vedel; vice-president, Lorene Mattern; secretary, Mary Ann Cahoy; treasurer, Betty Fullerton; Pan-Hellenic representative, Marlys Hewitt.

An informal evening affair held Friday at the home of their sponsor, Mrs. Helen Stevens was the first Sigma rush party. The second rush affair will be a party with Phi Kappa Sigma fraternity Saturday at the home of Pat Vedel.

The alumnus and active groups are holding the first of this semester's monthly theater parties at the Goodman Theater October 18. The performance will be *The Male Animal*. These benefits support the Sigma Beta Theta scholarship fund, a memorial to Anna E. Drummond, the Sigma founder.

RHO DELTA

Rho Delta Rho recently held its annual election. Those elected were President, Burt Joseph; vice-president, Trevor Miner; recording secretary, Alvin Eaton; corresponding secretary, Art Blumenthal; and social chairman, Lenny Breun.

In addition to the regular officers an executive committee was elected. It includes Maier Margolis, Leonard Ept, and Herb Getz. These officers

Erickson Sends Out Call For Co-eds, Secretaries

A ladies' chorus is needed to sing a special group of songs for the annual IIT Christmas program, according to O. Gordon Erickson, musical director. All female students, as well as secretaries of the school and the Research Foundation, are invited to attend a short meeting this Friday at 12:30 p.m. in the SU auditorium.

Any girl interested in the chorus who is unable to attend the meeting is requested to contact Mr. Erickson in his office to the left of the stage in the auditorium, or to leave her name and class schedule in the *Technology News* box on the first floor, first entrance, of Chapin Hall.

Fencers to Resume Competition Again

The age old art, and sport of fencing will be tutored again at IIT. Any students having fencing experience or who are interested in the sword poking art are requested to meet in the Student Union Lounge, Wednesday, October 30, at 5 p.m.

This manly sport of old vintage speaks well of itself of many talented sportsmen. Knitting needles require some fancy handling, bodywork, and skull duggery.

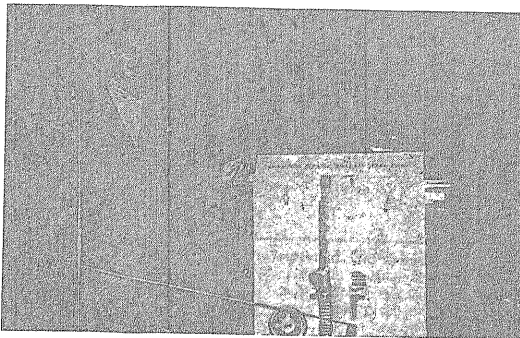
Intercollegiate meets will be scheduled.

will be formally installed at the regular meeting tomorrow night.

The semi-annual pledge-sponsored party has been scheduled for the Saturday following Thanksgiving. Plans for it are in preparation.

Rho Delta football co-captains, Marv Cohen and Lenny Eller, predicted that their team would be heard from in inter-fraternity competition. The fraternity's basketball and tennis teams are being rounded into shape.

ASME Speaker



SPARKPLUGS—A. E. Kraus, who discussed aircraft sparkplugs at the ASME meeting held Friday. This was the first of the current series of ASME technical meetings and tours.

Paul Thompson Wins ASME Undergrad Student Award; Given Trip to New York

For the second year in succession, an Illinois Tech student has won the American Society of Mechanical Engineers' annual Undergraduate Student Award. Paul A. Thompson's paper titled "Synthetic Sapphire, a New Industrial Engineering Material"

has won this year's award, C. E. Davis, national secretary of the ASME, announced recently. Last year's award was won by John Erickson, who is now doing graduate work at IIT.

A junior ME, Thompson will receive the award at the National ASME Meeting to be held at the Hotel Pennsylvania in New York the first week in December. He will be the guest of the Old Guard Committee, which is composed of members of 35 or more years standing. They will pay his expenses from his home in Aurora to New York and return, his registration and banquet fees, and will furnish a \$10 a day expense allowance for his stay in New York.

Plans for the National Meeting include numerous technical sessions, field trips to industrial plants, and a visit to the United Nations Organization's site at Flushing, New York.

According to Dr. R. A. Budenholzer, honorary chairman of IIT's student branch of the ASME, the Undergraduate Student Award has been made every year since its inception in 1916. Papers are judged on practical and theoretical applications, originality, and the contribu-

A.E. Kraus Tells Of Spark Plug Development

Use of German Plugs By British Disclosed

"British planes often used German made spark plugs in their bombing raids over Germany," A. E. Kraus disclosed to 250 members of the IIT student branch of the American Society of Mechanical Engineers last Friday morning. The German plugs withstood the conditions encountered at high altitudes better than any other spark plugs available at the time, he explained.

Mr. Kraus discussed the development of the spark plugs used in aircraft and gas turbines and the advantages of dual ignition systems. The chief advantage, he pointed out, was not from an increased power output but from the added safety of having an extra ignition system in case one fails. The increase in power output in a dual system does not justify the additional expenses encountered. At the present time there are 600 various types of plugs on the market.

Switching from spark plugs to the rocket developments during the war Mr. Kraus stated that one tenth of Britain's war casualties were from V-1 and V-2 type bombs. At the end of the war the Germans had in the experimental stage a rocket capable of making the trip from Germany to New York in 42 minutes. Its motors weighed 2½ tons and developed 100 tons of thrust. All the fuel in the rocket was consumed in the first four minutes of flight.

The speech by Mr. Kraus, of the Champion Spark Plug Corporation, inaugurated the series of technical meetings and tours planned by the ASME for this semester. Bob Boyar, president, announced that members planning to make the tour through the International Harvester plant Nov. 22 should meet at 2 p.m. at the main gate of the plant located at 2600 W. 31st St. Students attending the tour will be excused from their classes. A movie is planned for the December 6 meeting.

Alpha Phi Omega Collects \$72 for Community Fund

IIT students contributed a total of \$72 in the Community Fund drive held recently.

Fifty one dollars was collected by Alpha Phi Omega, national service fraternity, during the first day of the drive. Twenty-one dollars was given in exchange for the red-feather badge on Friday.

Money collected will be used to support 192 health and welfare agencies throughout Chicago. The IIT contribution will go toward the \$7,939,000 goal set in the Chicago area.

Informal Dance Is Planned For December by Juniors

The Junior Class held a meeting last Friday at which the committee for the forthcoming all-school dance was chosen. Chester Lyngaas, W. E. Larson, Maristell Dixon, Frank Koditek, and Pat Vedel will assist president Harry Twickler and social chairman Bob Meilke. The dance will be an informal affair to be held December 13. Bids will be limited to 350.

Homework pause

Serve Coca-Cola at home

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