

Top-Ranking Mexican Physicists Will Do Research Work at ARF

Top-ranking physicists, now studying at the National University of Mexico, will enter IIT next year as a result of the recent trip to Mexico by Harold Vagtborg, Armour Research Foundation director.

ARF Staff to Hold Third Fishing Trip

The third annual summer planning conference of the Armour Research Foundation will begin on Sunday, June 25, stated Harold Vagtborg, director.

Thirteen men will travel to the northern Wisconsin location for a week of fishing and conferences. The general plan will remain as it was in the past, with fishing in the morning and afternoon and conferences during the hotter muddy hours.

"These summer 'escape' conferences have proven to be of such tremendous benefit that several corporations have followed our example in instituting them for staff heads," said Vagtborg.

3 to Represent IIT At SPEE Conference

Dean Linton E. Grinter, Professor William W. Colvert, and Professor Henry C. Spencer are all scheduled to attend the annual meeting of the Society for Promotion of Engineering Education to be held in Cincinnati from June 22 to 25th.

Dean Grinter, vice-president of IIT, will be chairman of the conference on "Graduate Study." Professor Colvert will speak to one conference on "Educational Experiences From the ASTP Program." Professor Spencer will serve on a conference committee for constructing standard drawing tests to be used nationally in drafting classes.

The University of Cincinnati will be host to the conference; a total 33 different sessions on education study will be held there.

Dr. William Lewis Joins Illinois Tech EE Staff

Dr. William A. Lewis joined the Illinois Tech electrical engineering department staff last month as a research professor.

Dr. Lewis was the director of the electrical engineering school at Cornell University for five years, before which he served as central station engineer at Westinghouse.

Having appeared in Who's Who and with many articles about him in engineering publications, Dr. Lewis has become famous in his profession. He will teach at Armour and will work at the Research Foundation.

Vagtborg, in conjunction with Prof. Sandova Vallata, a visiting professor to Massachusetts Institute of Technology from the Mexican institution, has completed a plan whereby about three of the best qualified men, to be selected by Vallata, will come to the United States upon the completion of their term in December. They will work on research problems at the Foundation and study for advanced degrees at IIT.

Another highlight of the two-week visit which Vagtborg and Maurice Holland, ARF industrial adviser, just completed, was the discovery that Mexico is not the sun-baked desert it appears to be at the Rio Grande border.

"Most of Mexico is plateau country, varying from 2500 to 7500 feet above sea level. In Mexico City, the lowest temperature last winter was 28 degrees Fahrenheit while it never got hotter than 85 degrees.

"However, the fact that Mexico lies near the equator means that people there can grow tropical fruits at the lower elevations. Where irrigation is possible, two crops a year can be raised," said Vagtborg.

On the economic side, Vagtborg found that Mexico offers the prospective investor a better investment for two reasons. First, the fact that a manufacturer can bring in all of his technical advantages to use with a low cost labor supply is a great incentive. Second, the Mexican government wants to industrialize the country to raise the standard of living. To encourage this they have passed laws exempting new industries from all taxes, including income and real estate taxes.

After trying for a year to buy an alarm clock in the United States, Vagtborg found an ample supply of them in Mexico along with radios, record changers, and most of the goods rationed here. There are no priorities or rationing in Mexico.

District Medical Officer Inspects IIT Navy V-12 Unit

The Illinois Tech campus was graced by the presence of a high-ranking naval officer when Capt. C. B. Camerer, district medical officer, conducted a medical inspection of the V-12 unit last Friday.

This was part of a regular inspection program conducted by the navy department. Camerer was accompanied by Chief Warrant Officer Oscar Johnson.

ITSA Minutes

The meeting was called to order at 4:55 p.m. Members present were Lind, Heald, Spaeth, Tibbals, Hedeon, Sievers, Michalek, Mattern, Snyder, and Kilgariff. Two students were also present.

The committee for the perpetuation of student government presented its report. In brief, it was decided to leave things as they are, with no change in the status of the reserve.

An election committee of Sievers, Hedeon, and Kilgariff was appointed by President Lind to run-off the elections next semester of the freshman and sophomore commissioners and any other positions which have been vacated.

Michalek moved, Snyder seconded that the next meeting take place on Wednesday, July 12, at 4:30 p.m. Motion passed.

President Lind appointed a new Constitutional Committee composed of Snyder, Ray Olson, Sievers, Hedeon and Kilgariff.

Sievers moved, Hedeon seconded, that subject to the approval of the Faculty Committee, Kiva be appropriated \$50.00. Motion passed. Meeting adjourned 5:20 p.m.

Respectfully submitted,
Tom Kilgariff.

Reed Develops Node Analysis

A new method of circuit analysis has been described by Dr. Myril B. Reed, professor of electrical engineering, in a paper written for the journal of the Institute of Radio Engineers.

The methods in general use today for finding voltage and current in complex circuits are far too cumbersome to be very useful in many cases.

The use of node equations, as developed by Reed, greatly simplifies the solution of these equations. The node method has been known for some time, but until now preliminary equations had to be developed, which made the method impractical. In some work, even when the ultra-modern calculating board is used in solving networks, the node method is faster.

Reed's paper explains the application of his method to various types of circuits. He has been teaching the system to his EE 306 classes.

Taylor Gets Post in National Alumni Council

Bernard P. Taylor assistant to the president has been re-elected to the position of director in the National Alumni Council. This council includes officers from all alumni associations throughout the country, its purpose being to keep college alumni active.

Mr. Taylor's duty is to plan next year's convention; it is definite that this will be held in Chicago sometime in July.

NOTICE

This is the last issue of *Technology News* for the present semester. The first issue of the coming semester will appear on July 17.

Mass Production of ARF Wire Recorder Will Cease Soon

Mass production of the wire recorder by the Armour Research Foundation will cease shortly, announced Dr. Francis W. Godwin, assistant director.

"The foundation is a research institution and cannot devote its time and equipment for production purposes which could be done just as well elsewhere," emphasized Godwin. "Because of the great military need for recorders the Foundation agreed to produce them until manufactures could tool up for mass production. Already over 700 recorders have been built by us."

Last week the ARF transferred its recorder production facilities to the Adlake Building at 321 W. Ohio St. There, the Foundation will complete its contracted output, working in conjunction with Utah Radio Products Corporation, the new recorder producer. In this way, the production techniques learned by the ARF can be taught the new manufacturers with no loss in output.

The most recent military use of the recorder was in the invasion of France last Tuesday morning. The noise of the battle was recorded by a wire recorder fostered in the crow's nest of one of the attacking ships. In the evening of the same day, the sounds were broadcast over the NBC network to the United States.

Hart, '42 Graduate, Will Become Ensign

Henry Hart, instructor in electrical engineering in the Signal Corps at Lewis, leaves June 27 for the navy. He has received a commission as ensign.

Hart received a bachelor's degree in electrical engineering at Armour in 1942. Since then he has taught at Illinois Tech, first in the Signal Corps and then in the electrical department. Now he is instructing the Signal Corps woman trainees, while working for a master's degree. Hart expects to receive that degree before entering the navy.

May Issue of "Engineer And Alumnus" Is Out

The May issue of the Illinois Tech Engineer and Alumnus was distributed last week. This issue was planned by Prof. Joseph B. Finnegan. Prof. Sanford B. Meech took over temporary editorship of the magazine when Prof. Finnegan left school on a leave of absence this semester.

The next edition of the Engineer and Alumnus will come out in October, since the staff is sticking to its peacetime schedule. Prof. Finnegan will be in the position of editor again by that time.

Eta Kappa Nu Picks Centa as President

A/S Joe Centa was elected president of the IIT chapter of the Eta Kappa Nu honorary electrical engineering fraternity, last Friday.

A/S William Stuart was elected vice-president; A/S Bernard Steenson, treasurer; A/S Richard Kuba, recording secretary; A/S Ken Coon, "Bridge" (fraternity magazine) correspondent; and Russ Kasmar, corresponding secretary.

Of the six officers elected, five are navy students. Eta Kappa Nu was founded in 1904 to "bring into closer union those men who by their attainments in college or in practice have shown a deep interest and marked ability in their chosen field of electrical engineering."

Chi Epsilon to Hold Initiation Banquet

Chi Epsilon, honorary civil engineering fraternity, will hold an initiation banquet tonight at 6:30 p.m. at the Swedish Club of America, 1258 N. LaSalle St.

The pledges being initiated are Sid Baker, John Hirmoto, A/S Murray Percival and Burton Lewis.

In 1923, the first convocation of Chi Epsilon was held on the Armour campus. This chapter was the second group to join the original one which was originated at the University of Illinois by two societies of civil engineering.

The initiates tonight will be the only four active undergraduates on campus at present. They will be initiated by three civil engineering graduates who are studying for advanced degrees at IIT, and by honorary and faculty members of the organization.

The above include William Nash, John Volakakis, and Sheldon Young, President Henry T. Heald, Dean L. E. Grinter, and Professors R. L. Stevens, C. O. Harris, P. C. Huntly, J. C. Penn and J. F. Mangold.

Armour Eye to Elect New Officers Wednesday

The Armour Eye will elect officers for the coming term on Wednesday. The meeting will be held in the Armour Eye club room at 5:30 p.m.

An important matter which requires the attention of all the members has arisen, said Henry Mazurek, president, and all members should be at the meeting.

If You're Leaving School This Term

HERE'S A GOOD INVESTMENT

A 1 Year Subscription to Technology News at Our Special Bargain Rate

You may be one of the fellows who will leave IIT to go into the service during this term. If so, you'll want to keep posted on campus activities. And the best way to do this is by reading *Technology News*.

We wish we could keep sending the paper to you after this term. We can't, so we're doing the best we can.

A special bargain rate is being offered to all former IIT men in service. For \$1.00 you will receive *Technology News* for one year (three semesters). This is a 2/3 discount over the usual price of \$1.00 a term.

Subscriptions are being accepted in the *Technology News* office or in the News Bureau across the hall. Both are on the fourth floor, first entrance, Chapin.

Bring the money and either your home address or your new address, if you know it. In either case, be sure to keep us up to date if, as, and when your address is changed.

Rho Delts to Move Out of Their House

Rho Delta Rho has sold its furniture and is giving up the lease on its house, according to Leonard Eller, vice president.

This step was taken because all but two of the members are leaving IIT at the end of the term. The house was located at 3224 S. Princeton.

The president and treasurer have left for the service and their positions have been taken over by Vice-president Eller and Secretary Morris Shapiro.

The funds will be turned over to the alumni of the fraternity to be used for reorganization after the war.

Six Pledges Initiated Into Alpha Sigma Phi

Six pledges were initiated into the social fraternity Alpha Sigma Phi last Saturday.

They are Jack Smith, Donald

Thompson, A/S Robert Freund, A/S Frank Pasek, Angelo Caliendo, and Donald Haack.

Following the initiation ceremonies, a banquet was held at the Swedish Club.

Michalek Becomes Tau Delts President

A/S Dick Michalek was elected and installed as president of Delta Tau Delta last Wednesday. Other officers elected include A/S Larry Johnson, vice president; Art Strong, treasurer; A/S Herb Corten, secretary; and Jack McClow, recording secretary.

Gordon Fleischer, retiring president and only graduating senior, was given a rousing sendoff at the meeting.

Several alumni who attended added much to the liveliness of the affair, the members felt. The meeting was both a reunion and a farewell, for many of those present will be leaving soon.

Pi Kapps Initiate 3 Sailors, One Civilian

One civilian and three navy students were initiated into the Pi Kappa Phi social fraternity yesterday.

The new members are: A/S Jack Capron, A/S Walter Briesh, A/S Don Helbling, and Fred Olson.

The initiation of these members climaxed a short, but notable, "hell week." The entire chapter held a dinner in honor of the new members.

A meeting is scheduled for next Wednesday at which there will be an election of officers for the next term. Plans for a moonlight cruise on Lake Michigan will also be discussed.

Sigma Alpha Mu Initiates Three Men

Three sophomores were initiated into Sigma Alpha Mu last night. Marshal Sager, ChE; Daniel Mittenman, ChE; and Sander Steinman ME are the new members.

Fraternities and Sororities