

Caps, Kerchiefs and Wrenches Adorn Pi Tau Sigma Pledges

The engineer's cap, kerchief, and wrench adorning several students indicates that they are pledges to Pi Tau Sigma, the honorary mechanical engineering fraternity. In addition to the pledges, Professor Charles O. Harris was elected as an honorary member. "He was chosen for his extensive work in the field of mechanics, which is a branch of mechanical engineering," quotes Lowen Shearer, president of the fraternity.

This pledge class is the largest in several years. It consists of Robert Thoren a/s, Howard Kehrl a/s, Karl Bruegmann, Richard Herst, Richard Hood, Raymond Kappelmann, Fred Kessler, Paul King, Zdenek Lansky, Radoslav Mijanovich, Clare Puchalski, Charles Roser, Wilbert Sanders, William Weaver, Lester Verkler, and Arthur Rynkus.

Foundation Expects 500 at Yule Party

The largest annual Christmas party ever sponsored by the Research Foundation will be held on the campus Thursday, December 23.

The guests, consisting of members of the Foundation staff and their husbands and wives, will probably number about 500. Announcement of the party was made today by Harold Vagtborg, director of the Foundation.

The program will include inspection of the laboratories from 1 to 3 p.m., entertainment from 3 to 4 p.m., and refreshments until 5 p.m. Included in the entertainment will be Harry Barelle, juggler, Jennie Lou Carsons, master of ceremonies, Flasho the Magician, and an orchestra, the Corn Crackers.

Niemi Leads in Physical Tests

A physical fitness rating of 86.2 is the new record set by Seaman Arne Niemi during the V-12 physical fitness tests given last Wednesday. The navy says 210 "sit-ups" are 100% and it will give credit for no more. Niemi obliged by doing only 240 of them, 1000 less than his record.

The test consists of a one minute squat-trust test, and an endurance test in sit-ups, push-ups, squat-jumps and pull-ups.

The three men who came closest to him are Ben Gordon, 79.6; Al Ross, 78.0; and Melville Alexander, 77.4. All of these men are from Quarters 2.

Chief Specialist Fred Godfrey, acting head of the navy physical education, announced that all men who made a rating of fifty or better will be allowed to remain in the "maintenance phase" of the program. Men with ratings lower than fifty will be considered basic men and will not be allowed to go out for varsity sports.

Only five men failed to do fifty or better on the last test. The lowest of their scores is 46.8, 2.5 points higher than the average of the scores made on the first test last semester.

The over-all average at IIT is 63.7, a jump of seven-tenths of a point over the last test. Chief Godfrey believes that this average ranks in the upper fifteen percent of all V-12 units in the country.

The following are the number of men in each range of ratings:

No. of Men	Range in Points
5	40.0-49.9
86	50.0-59.9
227	60.0-69.9
31	70.0-79.9
1	80.0-89.9

Situation on Physics Reports Bared Technology News Unearths Lost Poem

This poem was written in fun by two assistants in the physics department last semester during the furor over physics reports. In no way whatsoever does this poem express the sentiments of the physics department.

EDITOR

They sent letters to the editor,
So this is our reply,
Seat yourselves quite comfortably,
And kindly lend an eye.

First, they never read the manual,
For a prelim is a bore,
And after doing calculations
They still don't know the score.

They put the clips in backwards,
They never mark the date;
They wonder why they can't come in
When 16 minutes late!

They draw their pictures freehand,
Their data's never right,
And their sample calculations
Are nowhere within sight!

They put down "I" instead of "one",
So we write "U.T.P."
But when we get it back again,
We find "I" has changed to "we"!

We tell them when the time has come
For them to check their stuff,
But someone always stays too late
And wonders why we're tough!

They plague us with their questions,
They ask us "What's the 'G.U.'?"
We take a look at their report,
Grab our nose, and say pee-ooo!

We tell them in conclusions
They should put down what they found,
But all we get is what went wrong
And padding by the pound!

They tell us "J" is 4.9,
And lambda 62;
The heat of fusion 99,
And "g" a thousand two.

The logarithmic functions
On number twenty-nine
Give them PV to the gamma,
With gamma 2.9.

So they dry-lab all the data,
And think they are so wise,
But we get the self-same numbers
From a dozen other guys!

When it comes to surface tension
They all can do quite well,
But the freely falling body—
The consensus is: "Oh Hell!"

Oh, a balance is a helpless thing;
It cannot strike them back,
Yet we find the things dismembered,
And the riders on the track!

They break the thermocouples,
They can't get standing waves,
They smash the apparatus,
They work us all like slaves.

The gent who measured central
Force one millions of a-dyne
Was really doing justice
To good old number nine.

If they could see the mountain
Of reports we have to check,
They would do just what we ask
them

So if you want that "A" my friend
Here's our advice to you,
Don't ever try to slip one past
The Boys from 202.

WSE Plans Speaker for Meeting After Christmas

A guest speaker is to be secured for a meeting of the Western Society of Engineers after Christmas stated Dick Larson, vice-president of the organization last week. These plans were laid at a brief meeting held last Thursday.

Dean Tibbals said that as yet, the person who was asked to speak has not accepted, so that his name cannot be disclosed at the present time.

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20 BOWLING ALLEYS
10 BILLIARD TABLES

Prochnow Discusses Lounge Questions With Dean Grintner

George Prochnow, representative of the Lewis Lounge Committee, met last Tuesday afternoon with Dean Linton Grinter to discuss details concerning the lounge. On Thursday he reported this meeting to the Lounge Committee.

Dean Grinter, according to Prochnow, gave instructions for the committee to work out the plans for the lounge to the smallest detail. They are then to turn everything over to the purchasing department which will carry on from there. Dean Grinter restated that \$1500 is assured for Lewis Lounge expenditures.

At this same meeting, is was arranged for the committee to meet shortly and decide on the complete furnishings of the room.

Ruth C. Clouse, chairman of the home economics department, Ruth Severud, art director, and Dean Walker are faculty members of the committee.

ITSA Still Collects Student Union Fee

The customary Student Union fee must be collected for at least one more year, Richard Michalek, ITSA Board of Control member, reports.

When the abolishment of the fee was announced it was thought by the ITSA that all debts on the Union had been paid, since the bonds issued when the Union was remodeled had been called in.

The school had loaned the ITSA \$9,000 for the Union, and this debt had been overlooked, R. J. Spaeth, Institute business manager, pointed out.

Sixty-seven percent of the fees collected will be used to pay off this indebtedness, and when this is done the fee will probably be abolished, Michalek said.

Movie Operators' Club To Organize Tomorrow

A club comprised of the movie operators of the visual education department at IIT is to be formed, Harold L. Minkler, director of visual education has revealed.

The staffs of both the south and west campuses will meet tomorrow in Room 642, Lewis at 7 p.m. to complete plans for the club. This will be the first time that the staffs of the two campuses have met in a body.

The purpose of this organization will be to acquaint the operators at each campus with the facilities available to them at the other campus.

Interfraternity Council To Make Plans Wednesday

Plans for the interfraternity basketball tournament and the possibility of securing an interfraternity house will be discussed at Wednesday's meeting of the Interfraternity Council.

The council will meet at 5:30 p.m. in the east dining room, Student Union. Presidents, both past and present, and treasurers of IIT's social fraternities comprise the membership of this body. However only one vote is allowed to each fraternity.

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Holiday Spirit Decorates West Campus Windows; Project Begun Last Thanksgiving

Dance Club Meeting Delayed Until Jan. 5

Due to a woman shortage, there will be no meeting of the Dance Club this week. However, the group will meet Wednesday, January 5, in the lounge, and dancing will begin at 5:45 p.m.

Reason for Wednesday's postponement is that fact that many of the girls are from St. Xavier's, where the Christmas vacation has already begun.

The juke box recently acquired by the school will be used at next year's first meeting, said President Tom Dressler, adding that a variety of records have already been installed in it. Dressler hopes that it will be possible to obtain an instructor for this meeting.

Freshmen to Hold Class Party Soon

The next social event of the freshman class will be a swimming party, a hayride or a sleighride, according to Allen Dimoff, class President.

Dimoff further stated that a final decision will be reached at a meeting of the executive committee to be held tomorrow. Use will be made of the one hundred dollars recently appropriated to the class by the ITSA.

Longtin Speaks on Theory of the Activated State

Dr. Bruce Longtin, chemistry professor, presented the first part of a seminar lecture last Thursday on "An Introduction to the Theory of the Activated State."

Dr. Longtin will continue his discussion this Wednesday at 4:30 p.m. in 405 Main.

Such seminar meetings are a regular activity of the chemistry department and are held twice a month. Their purpose is to keep faculty members up to date on research work done here and elsewhere.

Dr. Longtin Trips Light Fantastic Before Dance

Dr. Bruce Longtin, professor of chemistry, still shows the marks of an accident he encountered on December 11.

While hurrying to the Integral Dance, Longtin took a short cut and tripped and fell over a wire stretched above the ground. He suffered severe lacerations on the face and hands. However, he continued on to the dance, and his wounds are now well mended.

The windows of Illinois Tech's west campus can be seen bedecked with the holiday spirit. Work was started on the cooperative project right after Thanksgiving by all of the students of applied art. The stained glass church windows of colored paper which was used to simulate stained glass church windows, was given by Instructor Ruth Severud to members of her classes in lectures on the history of stained glass. The theme of one set of windows is "Peace", with the Virgin Mother holding the Savior. The greeting, "Joy to All" forms the motif of the other set of windows. Sister Mary Deicola and Sister Mary Imeldine assisted in arranging the designs of the windows.

The process of making the windows, as given by Miss Severud, is to first sketch the design. Then a large 'cartoon' of the entire window is laid out, and divided into sections. Two sections of black paper and designs are used to obtain a stencil. The colors are then applied to the black paper and oiled to give the effect of transparency.

The work of applying the sections to the windows was completed by Miss Severud and members of her class.

Two Christmas trees now adorn the west campus. The larger of the two trees, which was purchased by a group of students, is in the gymnasium and will be used in the Christmas party to be held Wednesday. There is a smaller tree in the business office, which was purchased by the office staff.

Electrical Department Adds New Equipment

Three pieces of heavy equipment have been purchased recently by the electrical engineering department. These substantial additions to the department's apparatus consist of a Westinghouse five kilovolt generator set, an alternating current and a direct motor control panel, also Westinghouse products.

Purchases of smaller apparatus were also made. These additions consist of six sets of potentiometers, two standard inductors, six A.C. ammeters, four standard resistors, four wattmeters, two Weston standard cells and six galvanometers, which was purchased by the office staff.

In addition to this, the arrangement of the AC and DC labs has been changed to accommodate the new equipment and other additions which are expected to arrive soon.

COLLEGE NIGHT

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