

A GREAT STEP was taken in Illinois Tech extra-curricular activities this term when the Wednesday free period for meetings was scheduled. However, the mere scheduling of the period is not enough. To date little or nothing has been done to systematize the types of meetings to be held at a given time. As the situation now exists a student is presented with the necessity of deciding which meeting of several he should attend. For example let us take the case of a certain junior studying electrical engineering. On one Wednesday free period, he very much wanted to attend the junior class meeting. At the same time professional interests tended to draw him toward either the AIEE or Radio club meetings. In addition, being very much interested in mathematics he felt that he should participate in the Math Club's activities. This is indeed a tough situation and incidentally actually happened to an active IIT student. True, it is next to impossible to schedule the meetings so that there are no conflicts. However, the situation can be remedied to some extent at least by careful planning.

Meetings such as those of the classes and of various professional societies which attract large groups of students certainly should not be held at the same time. If officers of such organizations discuss meeting dates with the dean of students before making definite plans, there is no reason why more satisfactory schedules cannot be arranged. A definite time during the month for each type of organization, set by the dean, might go far toward improving a correctable condition.

THE INTERHONORARY COUNCIL through its president, John Schwemmerger, attempts to justify the lack of activity on the part of the honoraries in a letter which appears elsewhere in this issue. His argument stating that a larger organization such as the Western Society of Engineers sponsor Wednesday morning assemblies, can hardly be said to be conclusive. The fact that the honoraries have never or at least only rarely sponsored such affairs is no reason why they should not do so. The practice of saying "That's his responsibility, not mine", when there is work to be done can (See AS I SEE IT on Page 6)

ARF Moves Its Machine Shop

The ARF moved its entire machine shop into the new engineering research building on the corner of 34th and Federal St. in two days. This feat was accomplished by Otto Olson and his staff of machinists without one piece of equipment being damaged or broken. The machinery moved included lathes, drill presses, and various other heavy machines. The new shop has four times the working area of the one formerly used by the ARF. This additional working space will be used to house a milling machine, contour saw, and flame cutting saw. These will be acquired by the ARF in the near future.

The space where the shop was located will be remodeled and equipped so as to provide space for several new laboratories. A laboratory dealing with paper technology will be installed. It will be a part of the ARF chemical engineering department. Another new addition will be the engineering mechanics electronics laboratory which will concern itself with the development and construction of devices for strain measurement.

The electronics testing laboratory, which will also occupy some of the space of the former shop, plans to do electronic testing. Dr. William A. Lewis plans to do research in electrical insulation utilizing another portion of the vacant space.

Tech News Poll Finds Students Sleep Deficient Navy Averages Only 6 1/4 Hours Sleep While Civilians Total Seven

The greater majority of students at IIT are not getting enough sleep according to a poll conducted by *Technology News* this week. The navy in particular gets only an average of six and one-fourth hours of sleep. The civilian students, on the other hand, obtain an average of seven hours sleep.

The civilians are more satisfied with the amount of sleep they get than the navy is. The facts show that 35% of the civilians are satisfied while 17% of the navy are satisfied.

When the navy was asked about how many hours of sleep they would be satisfied with they appeared to be more easily satisfied than the civilians. The average navy student thinks he should get eight hours sleep. The average civilian student thinks he should have eight and one-half hours sleep each night.

Many of the replies given by students, when asked what could be done so that they could obtain more sleep, concerned such common place problems of the student as lab reports, reading, and laborious math problems. The navy appeared to be quite troubled by extra duties and watches. Many of the navy students also hinted that their work would improve if they obtained more sleep.

A few civilians and navy students seemed to be satisfied with conditions as they now stand. Most of these expressed the view that with proper management of time the student could obtain sleep. At the same time many navy students felt that very little could be done to correct their problem due to circumstances which exist and are unavoidable.

When questioned about the amount of sleep he gets, Sol Yanoff gave a characteristic reply stating, "I get four hours sleep, but I contend that I should have eight. There is too much work expected in nonessential courses such as English and history." One navy man claims he obtained only twenty-three hours sleep in one week. He said that laboratory reports which must be made out so often cause him to stay up nearly every night.

Gerald Schneider is an exception to the rule, getting what he terms "plenty of sleep." Furthermore he states "with intelligent planning all civilian students should be able to get enough sleep." A/S Herbert Delkin is a rare navy student who claims that he is able to get eight hours sleep every night.

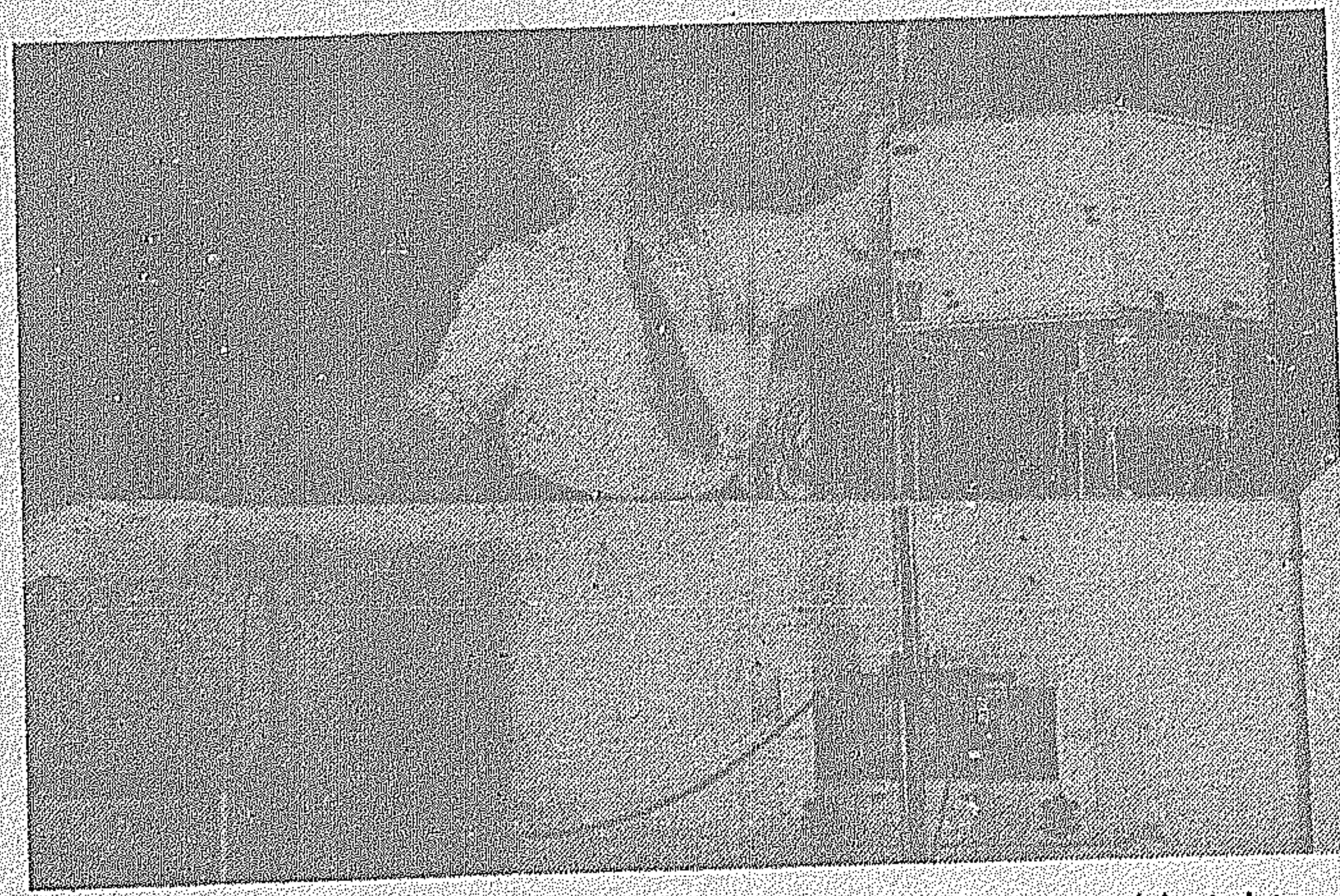
Seniors Requested To See Schommer

The number of seniors taking advantage of the interviews has been very small. This was reported by the Placement Office which finds that the attitude of both the October and February seniors is extremely disheartening.

In order for a senior to be interviewed he is required to fill out a placement record which the office will hold in strict confidence to be used only by prospective employers and similar parties.

The Placement Office also expressed the desire that all February graduates fill out their placement records. If they do this now they will not have to be bothered next February.

New Model Wind Tunnel



AERO EQUIPMENT—Professor Daniel Roesch is examining the new model wind tunnel which was recently installed in his laboratory. Students will use the tunnel to make recordings of drag against lift.

New Model Wind Tunnel Is Put Into Operation in Roesch's Lab

IIT's new model wind tunnel is now in operation in Dan Roesch's Lab. This is the first model wind tunnel to be inaugurated at IIT. The new "tunnel" will supplement the micro-wind tunnels the "aeros" formerly used.

The "tunnel" was built by Dan Roesch with the help of some of the student "aeros". The tests, so far, have been very encouraging. The "tunnel" has two adapters, entrances through which the air passes, that control the air speed. A 22" by 22" adapter permits air speeds up to 60 or 70 mph, while the high speed 18" by 10" permits speeds over 100 mph.

ESMWT Offers Radio Courses

So popular have five elementary war training radio and electrical engineering courses been at Illinois Institute of Technology, that the college is inaugurating advanced classes in each of the subjects.

The five advanced courses will be offered in Illinois Tech's new radio and electrical engineering fall war training program, which opens Sept. 18. The courses are: "advanced mathematics for engineers," "engineering electronics," "industrial electronics," "telephone transmission line theory and measurements" and "power systems engineering."

These five are a part of the 35 free courses in radio and electrical engineering which are being offered in Illinois Tech's fall program. Registration for the classes starts today and continues through Friday, Sept. 15.

The tuition-free courses cover eight fields: mathematics, radio engineering, ultra high frequency, electronics, telephony, electrical engineering power, power systems engineering and illumination.

Thompson to Speak At SCMP Meeting

Dr. James S. Thompson, chairman of the physics department, will be the guest speaker at the SCMP meeting tonight. Thompson will give a demonstration lecture on the electron microscope, according to Edward Shore, SCMP president.

The meeting will begin at 5:30 in the electron microscope laboratory. Because of limited space, not more than fifteen men will attend.

ASSC Will Plan Socials At Meeting on Friday

The All School Social Committee will meet on Friday at 5 p.m. in the East Dining Room according to A/S George Schober, senior member of the board. Plans will be made for future Illinois Tech social events.

"All members of the ASSC are requested to be present," said Schober.

The function of the "tunnel" is to permit students to get practical experience in operating wind tunnels and at the same time to give accurate recordings of drag against lift. These results are plotted on graphs and checked against typical graphs put out by Boeing Aircraft Company.

The students "discover" the coefficient of lift and drag at various angles of attack by the air stream. Only the most modern airfoils are used in the experiments. The typical lift-drag curves reach a point where they suddenly drop off. This is done by changing the angle of attack of the air stream. When this point is reached on a real airplane, the ship will stall.

Dan Roesch has perfected a new recording device for reading the lift and drag of the airplane wing. Utmost secrecy surrounds this invention until a patent comes through, but the mechanism is called a hydraulic-mechanical network system. Results are read from the meter by watching the rise and fall of a column of water in glass tubes protruding from the top of a wooden box.

Arts Guild to Hear Countryman Speak

Dr. M. Alden Countryman, professor of physics, will lecture to the Medical Arts Guild this Friday. His lecture will cover the use of physical equipment in medicine.

Edwin S. Cieslak, instructor in biology and sponsor of the Medical Arts Guild, has invited all interested students and members of the faculty to attend this meeting. Mr. Cieslak states that medical schools stress a knowledge of physics in order that apparatus used in radiology, physiotherapy, and other specialized fields of medicine will be understood.

The meeting, preceded by a social gathering in the faculty dining room, will be held at 4:30 p.m. in room 413 on the west campus.

IIT Navy Men To Select Own Pin-Up Beauty Individual Quarters to Submit Their Favorite; Movie Stars Ineligible

Pin-up girls and more pin-up girls. A favorite pin-up for the Illinois Tech V-12 unit will be chosen in a contest sponsored by *Technology News*.

Every navy student is eligible to submit entries beginning today with only one restriction. Professional beauties, movie stars and models will not be eligible.

These are the essential facts: Each quarters will select its pin-up. These will be submitted to *Technology News* by Thursday, September 14. Full length photos are preferred. Return of all pictures is guaranteed.

A pin-up for the entire unit will be selected from the seven finalists representing each quarters.

The *Technology News* managing board will act as judges.

A picture of the choice for each house will be printed in *Technology News*.

The name of the girl must accompany the picture.

All entries should be submitted to the News Bureau, First Entrance, Fourth Floor Chapin Hall.

This is the chance for all navy students to present their favorite girls for all to admire. An untouched hoard of beauty has lain dormant in navy wallets about the campus. Now is the time for IIT seamen to show their mettle as women-killers and present visual evidence of their prowess.

All pictures will be given equal consideration but pin-up type snapshots are preferred.

This is the first time such a contest has been held by *Technology News*.

A year ago a contest was held electing Dorothy Jacob, now Mrs. Ray Tubergan, the most popular secretary.

Music Clubs to Play in Pontiac

The IIT musical organizations will make an all day trip to Pontiac, Illinois, Friday, according to O. Gordon Erickson. The organizations will be the guests of the city, and the climax of the trip will be a two hour concert.

A hundred men will meet at Union Station at 7:45 a.m. to take the Ann Rutledge, crack streamliner of the Alton Lines, an entire car being reserved for them. The men, principally navy students, will parade from the Pontiac station, with a billy goat as mascot, to the city square. Here the mayor will receive them and present the key to the city. Headquarters will be made at the Elks Temple.

The concert will be from 8:00 to 10:00 p.m. and will feature the band, the orchestra, the glee club, and the navy dance band. All high school bands of the surrounding county have been invited to the concert.

Following the performance the navy dance band will play for a dance at the Elks' Temple. Girls will be furnished for the men, according to Erickson.

The return trip will be made Saturday morning; Erickson is expecting to be back about 7:00 a.m.

Ensign Edward Glancy has promised to indicate the two boys from the glee club who have the most demerits, and they will act as caretakers of the billy goat.