TECHNOLOGY NEWS

Vol. 43, No. 10 — ILLINOIS INSTITUTE OF TECHNOLOGY — Tuesday, May 21, 1946

as I see IT-

By Jim Brophy, Editor

THE COMING Junior Week is dominating the campus activities at present. Many of the things that so much has been heard of for the last several months are finally materializing. The Junior Prom Queen contest, Dramatech's play, the beard-growing contest, and all the other strictly student activities indicate that interest in the affair is high.

SPEAKING OF these activities, the open house should really be something.

The Armour Research Foundation and Iistitute of Gas Technology, as well as the school proper, will open their laboratories to visitors. Indications are that it will be practically impossible for anyone to see all of the exhibits during the two days. The open house will be an excellent chance for students to see what other departments and organizations are doing at Technology Center. Incidently, it is expected that some 7000 parents, relatives, and friends will be here during open house.

THE REFUSAL of the ITVets club to provide guides for the parents of servicemen killed in the war doesn't speak too well of an organization that claims such a large percentage of the student body. It is lucky that this attitude has not permeated into other groups.

ONCE AGAIN the navy office has demonstrated its willingness to cooperate with student activities. It is announced this week that liberty for navy men will extend from Wednesday evening of Junior Week through the Decoration Day holiday.

THERE HAS been some comment on the fact that towels are not provided for students participating in intramural sports. According to "Sonny" Weissman, towels were provided for the first few contests, but the practice was discontinued because over half of them were not returned. "Sonny" has said that any team desiring towels may have them if they see him and provide some system for making sure they are returned. It is too bad that the thoughtlessness of some men makes the situation so inconvenient to the rest.

(See AS I SEE IT on page 5)

New Standards Set at Meeting

Future fraternity policies were discussed at the meeting of John F. White, Dean of Students, and the Interhonorary and Interfraternity Councils Thursday, May 9.

A fourth proposal concerning the elimination of hazing on the campus, caused much discussion on the definition of the word 'hazing'. Several of the honorary fraternities have required their pledges to wear or carry certain objects to distinguish their fraternity for a certain length of time before initiation. These practices were deemed unobjectionable by most of those present bringing forth a discussion on where to draw the line. This issue was postponed until a future date.

Policies agreed upon were: (1) All dances or other social activities sponsored by fraternities, sororities, or other student organizations, must be registered in the office of the Dean of Students at least twenty four hours in advance, listing time and place. In the event that both men and women will be in attendance, chaperons must be named and must meet the approval of the Dean of Students. (2) Approval must be obtained from the Dean of Students before any man or woman may be initiated into a fraternity, sorority, or any other student group. (3) All rushing rules or rules affecting eligibility for merbership in a fraternity, sorority, or other student organization, must be approved by the Dean of Students.

Dean White closed the meeting with a word as to the advisability of certain types of hazing even in the chapter houses.

Queen Contest Extended Until Noon Thursday

Managing Board Will Select Winning Photo Unless Entries Increase

With an unexpectedly small number of Queen Contest entries submitted before the deadline *Technology News* has extended the deadline for photographs to next Thursday, May 23, 10 a.m.

If a larger number of entries are not received to bolster the small lot, the Queen will be decided by the managing board of *Technology News*. To told an election for such a small number would be impractical, announced the board.

At the Prom the Queen will be presented with a silver Elgin American compact and the members of her court will receive gold earings. These prizes are on display at the bookstore. The Queen and her court will also receive bouquets in honor of their selection.

Any candidate for selection as Queen of the Junior Prom may be submitted by an Illinois Tech student provided that she be present at the dance if she is elected Queen or to the Queen's court.

Photographs, either head and shoulder or full length views, may be submitted to the office of the Dean of Students any time before noon of Thursday, May 23.

Photographs must be 5x7, 8x10 inches, or larger to be eligible for voting. If a number of entries are received before the new deadline the procedure for voting will be as established before. The entries will be placed on display in the Student Union Lobby Thursday afternoon. Each student will sign for one ballot on which he may place the number of the photograph of his choice.

Musical Organizations Select Term Officers

At recent meetings of three of the IIT music organizations, officers were elected to serve for the remainder of this semester and the beginning of the next.

In the orchestra, the officers elected were: president, Roland Fisher; vice president, Tom Burt; secretary-treasurer, Bill Weathersby; librarian, Julius Huff, manager, Richard Yale.

The concert band elected president, Roland Fisher; vice president, Bill Weathersby; secretary-treasurer, DeWitt Pickens; librarian, Doug Benton; manager, Tom Burt.

The officers chosen for the glee club were: president, William Rainwater; secretary-treasurer, Ken Holst; librarian, Bob Wolfe.

Activities planned for the musical department include concerts for Junior Week, the Alumni banquet, the Pontiac trip and graduation exercises.

Jim Woodling Awarded Membership in ASME

James C. Woodling was awarded a Junior Membership in the American Society of Mechanical Engineers by the Chicago section of the ASME. The award was made at the annual dinner meeting held at the Michigan Shores Club in Wilmette last Saturday.

The award is presented each year to one student member from Illinois Institute of Technology and to one student member from Northwestern University. Woodling won the award for his work in behalf of the student branch of the ASME at Illinois Tech. During his term of office as president the branch increased its membership roll by approximately 100.

Queen Entry

JUNIOR PROM—Pat Vedel, a student at IIT, is one of the entrants in the *Technology News* Junior Prom queen contest. The queen and her court of two will reign at the Junior Prom May 29. The Prom will be the climax of Junior Week activities.

Tutoring Service To be Discontinued

The tutoring service sponsored by the Interhonorary council will be discontinued for the remainder of the term, according to Dave Hoffman, chairman in charge of the service.

The service is halted in order to make it possible for the tutors to study for finals and because of the activities of Junior Week, he said.

The tutors met with all students desiring assistance two days a week during the present term. Approximately 10 to 20 men were helped each session.

Junior Prom Nears Sellout; Vocalist Vivian Martin Added

Committee Promises Space and Surprises As Students Back Junior Week Dance

The tickets to the Junior Prom, which have been on sale for less than two weeks, are near sellout, announced Joseph Hassler and Bill Rainwater, ticket chairman and treasurer of the dance.

With the full cooperation of the fraternities and the student interest, the sale of tickets was fast. With this backing the semester's biggest dance and first semiformal is bound to be a success long to be remembered, said the committee.

The addition of Vivian Martin, featured vocalist for the past six months at the Chez Paree, to the band will give the Junior week revelers top notch entertainment, announced the committee. Del Rene and his orchestra have been contracted to play from 9 p.m. until there are no dancers to play to, bringing back to Tech social affairs the spirit of pre-war days.

The crowning of the Queen of the Junior Prom will culminate the festivities of Junior Week. Traditionally, she will be crowned by the president of the Institute, and presented to the audience with her court at the intermission period. The court will be composed of the two runners-up in the contest, who will also receive bouquets along with remembrances.

Dancing space will be assured since tickets have been limited to 400, said Bob Walsh, committee-400, said Bobf Walsh, committeeman, as he put down his slide rule and added that each couple will have at least sixteen square feet of dancing space to themselves.

A limited number of tickets are still available and may be purchased, for $2.50, at the red and white booth in the Student Union lobby. The booth is open daily from 10:30 a.m. to 2 p.m.

The committee wishes to remind the students that "semi-formal" means that the girl wears a formal

(See JUNIOR PROM on page 5)

Navy Trainees To Get Liberty

Memorial Day liberty for navy trainees will begin after the concert sponsored by the IIT music clubs on Wednesday, May 29 and will last until midnight Thursday, May 30.

Captain Hurff, professor of naval science and tactics at the University of Wisconsin, visited the campus last week to see Alumni Memorial Hall and the various equipment in the armory.

June 3 has been set as the tentative date of a "Professor of Naval Science and Tactics" conference to be held in Alumni Memorial Hall. The captains of 16 NROTC units in the 9th Naval District, Navy Department Officials, and officers from Great Lakes will participate in the one-day conference. There will be about twenty Navy captains attending the conference.

The rifle range in the basement of Alumni Memorial Hall is definitely under construction. When the range is completed, Captain D. McGregor intends to have all trainees receive small arms instructions with rifles and pistols.

The Navy Unit is in the market for material to install a "Sangamo Attack Teacher" which primarily gives training in anti-submarine warfare.

Technology News Fails

For the first time since its inception *Technology News* missed a regularly scheduled publication date. The Illinois Tech Student Association decided that an issue was not necessary last Tuesday.

Because of the power restrictions, the regular printer was unable to do all of the usual work on this short ration of 24 hours of power a week. He agreed, however, to print the issue if the type could be set elsewhere. Accordingly, members of the Managing Board of the paper instituted a city-wide search for a linotypist. Finally, a printer was uncovered who had his own generator and who agreed to set four pages in type, the only provision being that the copy had to be done by Thursday morning instead of Saturday.

Working on this, the staff proceeded to put the paper to bed two days early. By Wednesday one page had been completed and sent to the printer; plans were under way to complete the work Wednesday evening.

The only "catch" was that the price of the issue was practically doubled because of the extra work necessary. Accordingly, the Managing Board decided to go before the ITSA Board of Control and explain the situation.

The ITSA decided that it was not necessary to have an issue of *Technology News* last week. Both the head of Junior Week plans and the chairman in charge of the Junior Prom said they needed no additional publicity.

It was further decided that regardless of the power situation and cost, the ITSA Board of Control wanted the following two issues to be published.

Thus it was that there was no issue last week, *Technology News* missing a regular publication date for the first time in its history.

Vets Will Guide Gold Star Families

Illinois Tech veterans have been requested to act as guides for the dedication of Alumni Memorial Hall on May 29.

In making the request Mr. Arthur E. Wright, veterans coordinator, said that the guides will accompany the families of Illinois Tech men killed during World War II during the ceremony and on a tour of the campus afterwards. The Memorial Hall is being dedicated to those who died during the recent war.

All veterans interested are asked to contact Mr. Wright as soon as possible.

Stock of Slide Rules Snapped Up by Students

Seventy-five new and sixty-one used slide rules were sold by the bookstore last week and another shipment of rules is expected in the near future.

Because of the scarcity of slide rules preference is given to graduate students, seniors, juniors, and sophomores, in that order. Freshmen may not obtain rules from the bookstore at the present time.

For authorization to purchase a slide-rule from the bookstore, vets and non-vets alike should see Mr. Arthur E. Wright, coordinator of veterans' affairs, second floor SU.

All Veterans Asked To Fill Out Form

All veterans at Illinois Tech have been requested to fill out Veteran's Form 7-1950-A immediately, by Arthur E. Wright, coordinator of veterans' affairs.

This form entitles a vet to spend more than the alloted $500 during each school year by having costs in excess of this amount charged against their eligibility time at the rate of $2.10 a day.

Forms can be obtained from Mr. Corrado De Sylvester, veterans administration training officer, whose office is in the Student Union auditorium, next to the Navy sick bay.

"All veterans, except those under public law 16, must fill out this form by June 1, even though they expect to pay excess costs in cash," said De Sylvester.

Pi Nu Epsilon Honorary Initiates New Members

Two men were initiated in the Pi Nu Epsilon, musical honorary, last Wednesday night. The new members are Al Bourdon and Kenneth Mortimer.

The pledges were selected from men who have been active in the musical organization at Illinois Tech for four semesters. The pledge period lasted one week and pledge duties consisted of carrying a six foot treble clef and polishing band instruments.

According to Homer Wickham, plans for the present semester include reactivation of the musical organizati ns.

EDITORIAL OF THE WEEK

Honoraries Asked to Broaden Basis of Pledge Selection

Once again a group of students have emerged on Illinois Tech's campus wearing bandanas and caps, carrying B-X cables, range poles, monkey wrenches, flasks and pipes, and blowing whistles and getting signatures. These students are pledges to the so-called honoraries.

According to the constitutions of most of the honoraries men are to be selected not only for scholarship but also for their activity in other fields, notably campus activities and sports. Not only this semester, but also in previous ones, the departmental honoraries have selected their members more and more on their scholastic averages and less and less on their other activities.

It may be argued that several of the men pledged this term are vets who were active on the campus before they left for service. This may be true in a few cases and these men rightly belong in honoraries even if they are not now active because it is hard for a man who has been out of school for a few years to regain his prominent position.

However, it will be found that in the far greater majority of cases students have been pledged merely because of their grade point average. The fallacy of such a procedure is obvious. Any student who is intelligent enough to go to college can, by applying himself to studies to the exclusion of all other activities, obtain a high average.

But are these the type of men who make good engineers and therefore should be members of honoraries? It has been proven again and again by practical experience that the men who get ahead in engineering and in industry as a whole are not those with mere technical knowledge but those with technical knowledge plus the well rounded personality that participation in extra-curricular produces. "Men who are campus leaders today are the leaders of industry tomorrow" is a trite phrase, but very true. And because a man has three dollars to pay his dues in his departmental professional society doesn't make him a campus leader.

It is up to the honoraries themselves to determine the men whom they select as members, but not only for the good of Illinois Tech but also for the good of the honorary itself is this plea made. By a more careful consideration of a students activities and a little less consideration of his grade point average, the honoraries at Illinois Tech will be doing a service for themselves and for the school.

TECHNOLOGY NEWS

Member, Associated Collegiate Press

Official student publication of Illinois Institute of Technology, 3300 Federal Street, Chicago, Illinois. Published weekly during the college year. Represented for national advertising by National Advertising Service, Inc., college publishers representatives, 420 Madison Ave., New York, N. Y., Chicago, Boston, Los Angeles, San Francisco. Entered as second class matter October 10, 1940, at the post office at Chicago, Illinois, under the Act of March 3, 1879. Subscription rate $1.00 per term.

MANAGING BOARD

Editor-in-Chief ..... JIM BROPHY
Managing Editor ..... BILL BURKHART
Business Manager ..... HUBERT HELFER
Sports Editor ..... CHUCK HATSTAT
News Editor ..... HOWIE BAUM
Feature Editor ..... AL KUKRAL

STAFF

Navy Editor ..... William Charlton
Assistant Sports Editor ..... Ed Arends
Assistant Business Manager ..... Paul A. Thompson
Woman's Editor ..... Carol Moses
Copy and Rewrite Editors ..... Norbert Glasser, Wit Kosicki, Samuel Rand
Feature Writers ..... Hope Iverson, Myrna Lokay
Photographers ..... Ralph Belke, Chuck Hatstat
Cartoonist ..... Ronald Born
Exchange Editor ..... Henry Kudenholdt

TYPISTS

Toni Basic, Helen Delich, Mary Jane de Giacomo, Arleen Hagen and Beth Kelley

REPORTERS

John Anderson, Robert Campbell, Joe Coffer, Don Ennis, Jerome Friedman, William Furlong, Marty Gabriel, Bernard Gornstein, Henry Hawrylewicz, Eugene Hill, Irving Kuperman, Robert Larson, Sid Lewis, Lawrence Margol, Jack Scaggs, Robert Sprague, and Ken Thompson.

Editors Emeritus ..... Henry Freund, Alan Grant
Faculty Adviser ..... Frank Wheeler
Faculty Financial Adviser ..... Harvey Anderson

Man Of The Week

J. Makielski, Tau Bate Head, Is Undefeated Techawk Diver

To be president of the IIT student body should in itself mark a man as being the number-one student on the campus, but John Makielski, selected as this week's Man of The Week, can claim his top most standing by virtue of any one of several achievements.

In addition to being president of the ITSA, John is president of the Beta of Illinois chapter of Tau Beta Pi, the general engineering honorary; secretary-treasurer of Honor I; and a member of Pi Tau Sigma and Delta Tau Delta. By virtue of heading Tau Beta Pi he is also president of the Interhonorary Council.

Makielski came to IIT in March, 1944, as a trainee in the V-12 program. After spending a year at George Williams college, he came to IIT proper and was transferred to the Navy's NROTC program last November.

Not one to let extra-curricular activities stand in the way of the primary purpose of college work, John has maintained a 2.80 average in seven terms. His major, in addition to naval science, is mechanical engineering.

Versatile to the last degree, Makielski is an outstanding performer on the varsity swimming team, of which he is captain. A diver par excellance, last season he was undefeated in the team's entire schedule. He has represented IIT in the Central Collegiate meets for the last two years. In these meets he captured second place last year and fourth this season.

For a navy man, John has a consistent hobby, though following it could be called a busman's holiday. The pastime is sailing. Owner two 20 foot sloops, he is at home in a sailboat and races on Eagle Lake, Michigan.

A native of South Bend, Indiana, Makielski graduated from South Bend Central High School with a record of activities that are an amazing parallel to his work at IIT. He was president of the student government, his graduating class, and was valedictorian. To further complete the analogy, John was also an outstanding diver in high school. He was Indiana state champion in 1943.

His navy career started in July, 1943, with his enlistment. After boots, he was sent to RT school at Radio Chicago and from there to V-12 at IIT. John will be discharged from the navy in July and plans to continue his college work is in store, says John. He next September.

After graduation, even more work is in store, says oJhn. He will begin work on a master's degree, not in engineering, but probably in business.

—JIM BROPHY

SLIP STICK

Cleave to the Slipstick—Let the Slapstick Fall Where It May

This column and John L. Lewis' strike have one thing in common: It ain't funny. And now to the old news.

—IIT—

Voice in the ROTC Dorm: "Hey, you guys. Cut out that swearing. I've got a woman in my room."

—IIT—

A new musical production came to town. The billboards read: "50 Beautiful Girls—45 Gorgeous Costumes."

Three students and two policemen were trampled in the rush at the opening performance.

—IIT—

A man wandered into a departmen store; squeezed one doll and it cried, "Mama!" Later he squeezed another one. It screamed "Manager!"

—IIT—

Clerk: "Yes, sir, that medicine sure is powerful. Best stuff we have for the liver. Make ya peppy."

Customer: "Well, can you give me any specific reference—I mean people or a person who has taken said medicine with good results?"

Clerk: "Well, there was an old man living next to us who took this liver medicine with good results."

"Customer: "Does it help him?"

Clerk: "He died last week."

Customer: "Oh, I see."

Clerk: "But they had to beat his liver with a stick for three days after he died before they could kill it."

—IIT—

"Eavesdropping again," said Adam as his wife fell out of the tree.

"God is everywhere," said the teacher. "Johnny, where do you suppose He is this morning?"

"In our bathroom," was the reply, "'cause Daddy said, 'God, how long are you going to be in there'?"

—IIT—

A young lady and her aunt, returning home from work on pay day, were relieved of their money by a stick-up man. The young lady rushed over to the nearest policeman and exclaimed: "I've been robbed of my pay and aunt's pay!"

"Cut out the pig Latin and tell me what happened," the copper ordered.

—IIT—

If all horses say "nay" where do horses come from?

—IIT—

"Have you heard how a bustle and a histroical romance are alike?"

"No, how?"

"Both are fictitious tales, based on stern reality."

—IIT—

Ginny: "Did I ever show you the place where I hurt my hip?"

Bill: "No!"

Ginny: "All right, we'll drive by there."

—IIT—

Two ants were running at a great rate across the cracker box.

"Why are we going so fast?" asked one.

"Don't you see—it says 'tear along dotted line'."

Illinois Tech Vets

General Bradley has just announced that any veteran who has allowed his National Service Life Insurance to lapse can get it reinstated without physical examination, provided he applies for reinstatement before January 1, 1947.

The veteran has only to sign a statement stating that he is in as good health as he was at the time the insurance lapsed. This liberalization was made because many of the veterans who have let their insurance lapse are not insurable at all under civilian policies.

Mr. De Sylvester, veterans training officer, has requested that all vets who enrolled at the beginning of this term and have not yet received a subsistence check contact his office to make out a report.

In order to insure their subsistence checks being stopped and resumed at the proper time, Mr. De Sylvester has announced the following procedure for all PL-346 vets who are not enrolling for the summer session. At least two weeks before the end of the present term, notify Mr. De Sylvester that you are not going to attend. Then either see or write him two weeks before the fall term starts, so that he can have your checks started again.

Preliminary out-patient treatment is available at 366 W. Adams. However, most of the actual treatment will have to be given at the VA hospital at Hines, Illinois. Contrary to rumor, no bus service between 366 Adams and Hines is being contemplated.

Veterans who are absent from class more than three consecutive days must present a doctor's certificate to the veterans training officer if they want to receive subsistence for the day absent.

Both the GI Bill and PL-16 have been amended to lengthen the period for the completion of educational benefits. The veteran now has until nine years after the termination of the war to complete his education. This is an important point to remember if a veteran has to leave school temporarily, for financial or other approved reasons. If you are leaving school be sure to see Mr. De Sylvester and get an approval.

Any PL-16 veteran who has a real need can get a one hundred dollar loan from the Veterans Administration. These loans can be made on the spot at 366 W. Adams.

In the last issue, several bills which are pending in Congress, were listed. So far these bills are, for the most part, receiving little attention. It is up to the individual veteran to see to it that his congressman knows what laws he wants passed and why. There is strength in numbers and we certainly have the numbers.—ROCKY SPRAGUE

Collegiate World

The newspaper of the University of Louisville announces the formation of a Flying Club. This type of club has become popular throughout the country with the influx of Air Corps veterans to the colleges, but this particular organization is distinguished by the low rates which it offers to its members. Three dollars an hour covers expenses for instruction in contrast to the eight to ten dollar fees usually charged at pilot training schools. Two of these three dollars go for operation expenses and the other goes to the instructor. So far the club has a 65 H.P. Taylorcraft ready for its members' use. Its president was formerly the first pilot of a B-29.

A lonely vet at the University of Texas who wanted to meet a girl decided to call up a girl's dormitory and ask for "Ruth." Surely, he thought, there will be some girl living there named Ruth. There was a Ruth, but she wasn't in and her roommate took the call. Pleadingly, the vet presented his case to the roommate. She wasn't interested, but he called back the next night and he next. And now the vet and the roommate are having coke dates—which only goes to show that it never hurts to try.

D-Day at the University of Kansas means only one thing—defeat for dandelions at the hands, or rather knives, nail files, and more conventional dandelion diggers, of students and faculty members.

The traditional event this year yielded 2,369 bushels of dandelions picked from the campus lawns after two hours of digging. University officials estimate that the students have saved them about $1,400 in dandelion digging expense in return for the 90 minutes of work lost by dismissing classes at 4 p.m.

Buildings and grounds workers had the task of removing the 10-ton stack of wilted weeds from the campus, and repairing the turf uprooted by over-zealous diggers.

Miss Alma M. Goetsch, of the art department at Michigan State College, entered her classroom last week accompanied by two masculine freshmen, only to find a mouse trap she had previously

GUEST EDITORIAL

by JAMES C. PEEBLES

Dean of Engineering

The New Curricula

Students who have examined the latest issue of the Institute bulletin may have noted that certain optional programs are now being offered for the first time. The purpose of these options is to provided greater flexibility in the engineering curricula, and make it possible for a student to specialize to a certain extent along the line of his special interests. A brief description of how these options will operate may be helpful.

It is hoped that a start may be made in the semester beginning next September. In order to be eligible a student must have completed two years of work and be ready to start the junior year with a clear record. The Research and Development Option should interest students who have shown better than average ability in the more technical phases of the engineering curriculum. A good record during the freshman and sophomore years in Chemistry, Physics, Mathematics, Mechanics, etc. will be a prerequisite for this option. In addition, the approval of the student's department head will be required.

By referring to pages 72, 85, 94 and 128 in the new issue of the Bulletin the content of the Research and Development Option will be found. It will be noted first of all that two courses in Mathematical Analysis are offered in the junior year. These courses will emphasize the mathematics which engineers use most frequently in the solution of engineering problems. A major objective of this option will be to develop in the student a greater facility in the use of mathematics as a powerful tool in the solution of engineering problems.

It will also be noted that three courses in Engineering Analysis are included in the curriculum. These courses will be taught by members of the engineering faculty, and will be devoted to the practical solution of engineering problems by means of the mathematics presented in the courses in Mathematical Analysis. In all these courses the traditional departmental lines will disappear. Chemicals, Civils, Electricals, and Mechanicals will take the same courses in the same sections. The basic engineering knowledge required will already have been acquired in previous courses, so that stndent in one department will not be at a disadvantage as compared with students in some other department.

In the senior year two semesters of Research will be offered. The purpose here is to introduce the student into the field of research and to give him some training in research technics and methods. This should be valuable experience if, as is hoped, the student continues with further work in the graduate school.

This Research and Development Option is planned for the better student whose interests are scientific and technical, and who wishes to prepare for a career in research or development. Industry is now research minded as never before, and well trained young men are certain to be in demand. Furthermore, government research on a large scale is probably here to stay, and many experts will be needed. The present looks like an opportune time to begin the special training of young men for this important field of endeavor.

A Management Option will also be offered in the departments of Civil, Electrical, and Mechanical Engineering. This option should be of interest to students who look forward to a career in the supervision or management of industry. Such a man is more interested in human relations than in highly technical matters, and would rather deal dith men than with materials. This option replaces some of the technical requirements of the normal engineering curriculum with twelve semester hours in management electives. These electives provide an opportunity for the student to concentrate in accounting, management, personnel administration, etc. as his interest may dictate.

It should be understood that students electing either of the options discussed above will receive our regular engineering degree upon graduation. The solid core of the engineering curricula will be retained in every case, so that no sacrifice of basic engineering training will occur. All graduates will be engineering graduates, in spite of the fact that they plan to work in somewhat different fields.

Know Your Honoraries

Pi Tau Sigma Mech. Honorary, Founded at Armour in 1924

In March of 1915, members of the Mechanical Engineering Department of the University of Illinois formed Pi Tau Sigma, an honorary fraternity for mechanical engineering students. At this same time, a similar independent organization was formed at the University of Wisconsin. With the co-operation of the faculty heads of the schools, a coalition was effected in March of 1916. The new organization retained both the name of Pi Tau Sigma and its avowed purpose "to foster the high ideals of the engineering profession, to stimulate interest in coordinate departmental activities, and to promote the mutual professional welfare of its members." Eight years later, in the fall of 1924, students and faculty of the mechanical engineering department of Illinois Institute of Technology, then called Armour Institute of Technology, petitioned the national organization for membership. The petition was accepted unanimously by the Supreme Council and the active chapters, and, on December 22, 1924, Delta Chapter of Pi Tau Sigma was officially installed at our compus. Delta Chapter became the fifth of seventeen chapters located throughout the east and widwest at principal colleges with mechanical engineering departments. Each year delegates are elected by the active members of the various chapters to represent them at the annual convention. The official magazine of Pi Tau Sigma is the "Condenser."

— Paul Thompson

the WOMAN'S angle

By CAROL MOSES

Those girls who have missed the swimming the past few weeks are really passing up a wonderful opportunity and loads of fun. The pool is one of the nicest to be found in Chicago, and has all the modern arrangements one could wish for—it's 60 feet long, has underwater lighting, and is maintained at a warm, even temperature. The instructor is Mr. Kincoln Kanai, who teaches swimming in an entirely different way from anything you have ever experienced—by the "feel" of the water. And it really gives results—in style, efficiency, and satisfaction to the swimmer. Kanai teaches swimming to women at the University of Chicago, and is instructor for our own navy fellows.

Many girls who were unable to attend the Friday afternoon swimming classes were willing and promised to attend the sessions if they could be changed to Tuesdays. Accordingly, the schedule was changed to Tuesdays from 1 to 2 p.m. However, at the last meeting last Tuesday, only two girls turned up. The tournout must be increased, immediately. The ITSA has gone to extensive expense to provide this pool and instruction, and the cost is too great to be squandered for the benefit of only two or three girls a week. The physical education department is very much disgruntled about the poor enthusiasm shown, and threatens to discontinue the classes if the girls do not cooperate to a greater extent.

So girls, please resolve that you'll try your best to come swimming every Tuesday. It's guaranteed that you'll love it—even though you have never been in the water before. All the girls who have gone, so far, have come back raving about the treat they had.

Junior Week activities are practically all arranged, and those two days promise to be chuck-full of fun and excitement. A volleyball game between a girl's team and the navy is tentatively scheduled for 1 p.m. on Tuesday, May 28. Team practice has been set for Tuesday afternoons, in the courts behind Chapin Hall. Good luck, girls. We'll be rootin' for you!

An opportunity for all girls to participate in Junior Week will be hostessing at the buffet luncheon at 12:30 p.m., May 29. All girls in school can serve by contacting Hope Iversen, Joan Nicholas, Raleighnae Patterson or Jeannette Mac Luckie.

The sororities will furnish ten hostesses for the Alumni Banquet on May 28. Those participating are: Kappa Phi Delta: Joan Nicholas, Lillian Seges, and Raleighnae Patterson; Sigma Beta Theta: Betty Jordan, Marie Palumbo, Virginia Petzing; Sigma Omicron Lambda: Hope Iversen, Helen Gordon, and Gloria Landon; Phi Beta Pi, Pearl Moskowitz.

The Home Economics Club is holding a fund-raising theater party tomorrow evening. Its purpose is to finance a scholarship for a deserving Home Economics student. It will be "Let Us Be Gay," at the Goodman Theater, at 8 p.m. Tickets are $1.00 and can be bought from Selma Cohn, Mary Ann Cahoy, Pearl Moskowitz, Ramona Osherow, and Clara Sonerblum. This is a worthwhile cause, especially now that tuition rates have become out of reach of many girls. The H.E. Club tag day held last Wednesday helped a great deal, but still the drive must be carried on.

The Mother's Day concert and luncheon was lovely. All the mothers looked so grand in their spring finery. Looking down on the assembly from the balcony, the hats of the mothers formed a huge gay flower garden.

campus COMMENTS

Dear Editor:

If the following were but a personal grievance it would never have been written. The fact is, it is one voiced by many students. Our system of tests is completely antiquated and inadequate. The average hourly test is a mad dash toward the finish line—the last problem. No wonder many a student's mind goes completely blank on looking at the conglomeration of words and figures to which answers are to be supplied within a period of 50 minutes.— But, the defender of the ancient will say, "every one is equally handicapped."— A typical example: Three tests one day, the last two in consecutive periods. Of the second test yours truly cheerfully finished the first four problems out of a total of six only to notice that the time was up. "A slow poke" the stalwart of the archaic will say. I hurriedly dashed to the last test. By this time panic had set in. The rest is legion. To be constructive I shall tell of a system of testing as practiced by a professor in the mathematics department. His tests are week-end quizzed which thoroughly cover the studied material. There is no time limit and the quizzes are turned in on Monday. These tests are given under the same honor system which we are all pledged to follow. Obviously the men attending this institution are doing so to gain a certain amount of knowledge. Therefore all of our class time should be used toward that end. Tests should be given not only to provide a relative scale of attainment but to show up our weak spots so that we can correct them. This letter alone will not cause a change in the school's policy. That change can only be effected by all of the students acting together.

Signed,
Aroused and angry.

Meteorology Lab In Operation Again Atop Chapin Hall

Illinois Tech's meteorology laboratory is once again in operation following a prolonged period of moving. The lab is now located on the 4th floor (406C) on the roof of Chapin Hall. Dr. M. A. Countryman, associate professor of physics, is in charge of the laboratory.

Weather Man

METEOROLOGIST—Dr. M. A. Countryman adjusts some of his weather forecasting equipment. The IIT weather station is mounted atop the Physics Building.

The meteorological laboratory was formerly located on the Lewis campus. While at Lewis the laboratory co-operated with the Chicago Weather Bureau. Due to the nearness of the University of Chicago's Meteorological station, further work with the weather bureau was unnecessary when the laboratory was moved to the Technology Center campus.

At present, equipment of the lab includes an anemometer for the measurement of wind velocity; a maximum and minimum thermometer; a wind direction indicator; a wet and dry bulb thermograph from which may be found the humidity and a sling psychrometer which also measures humidity. Also included in the laboratory but not used in conjunction with the meteorological work is experimental equipment used in testing evaporation of metals.

When asked of future plans and ideas for the meteorological laboratory Dr. Countryman replied that he is attempting to originate a chart which will show simultaneous records of the barometric pressure, wind direction, wind velocity, humidity and ion current.

A one semester course in meteorology (CE. 325) is given now. Eventually, according to Dr. Countryman, a second semester course including extensive laboratory work, will be offered.

Fraternities & Sororities

THETA XI

Theta Xi has pledged nine new men this semester. They are Bill Ware, Andrew Arentz, Don Miller, Oliverio Hinojosa, Bob Woodyat, Royal Carlson, Jack Castoglia, Bob Schulte, and Edwin Misniac.

A semi-formal dance was held with the Theta Xi of Northwestern at the Michigan Room of the Edgewater on May 4th. The Triangle-Theta Xi stag was held last Wednesday at the Triangle house. Theta Xi furnished the beverages as a result of losing the baseball game with Triangle. This renews an old tradition between Triangle and Theta Xi.

Social Chairman Bob Neibert and Willie Schulte are making plans for the social functions to be held in May and June.

RHO DELTA RHO

Rho Delta Rho is completing arrangements for formally opening their new house, at 3218 Princeton, new house, at 3218 Princeton Avenue, on Saturday night. They are at present collecting furniture and furnishings so as to make the place completely habitable. On the 25th the house will be officially opened at a house warming. President Kenneth Eaton said that the cooperation he is getting from the fraternity brothers in preparing is excellent.

The Spook Party held at Ralph Solomon's house on Saturday, May 4 was attended by thirty couples and did not break up until 3:00 a.m. The party was highlighted by a skit by the pledges, dancing, and refreshments. Al Eaton, Social Chairman, said that all things considered, the party was a success.

While the Rho Delta fraternity baseball team did not fare too well in the inter-fraternity competition, the boys are not disheartened. They are planning, with the return of more veterans to the fraternity to inaugurate a new system for preparing teams to play successfully in competition. Teams under this system will be put under the control of an athletic chairman whose duty it will be to select able men for teams and then arrange for practices.

TRIANGLE

Triangle fraternity celebrated its sweeping softbal victory over Theta Xi with a stag party last Wednesday. All the Theta Xi actives and pledges, in addition to Triangle men, were invited to share in the "good spirits" of the occasion. There were refreshments and enjoyment for everyone, according to Tom Feehery, president of Triangle, and Ed Mac Dowell, president of Theta Xi.

Techmen Take Three Straight On Clay Courts; Loyola Next

George Williams, Concordia, Loyola Fall to Hermann's Netmen in Two Weeks of Play

With three straight wins to their credit, the netmen opened another full week of match play yesterday afternoon with a dual meet against Beloit College at Armour Square. Thursday the Techawks tangle with Loyola in another repeat performance, and Saturday play host to the Broncos of Western Michigan at Armour Square, starting at 2 p.m.

In their three recent wins, the tennis squad racked up 20 matches against George Williams, Concordia, and Loyola, while losing only one match, a three set singles battle between Bob Hall and Ralph Greene of GW, former Iowa state champion.

Loyola's Ramblers merely crawled against Tech in their match two weeks ago, salvaging only 21 games in 14 sets and losing 7 to 0. They should prove no tougher in Thursday's encounter.

Western Michigan, however, which is paced by Walter Stuckert of Milwaukee, is reputed to have a powerhouse this season. Illinois Tech was rained out in a scheduled appearance there on May 4, which combined with a broken axle, a traffic ticket, an empty gas tank, and a defeat at the hands of Kalamazoo College to make it a memorable day.

The Broncos will play their third match in three days against Tech Saturday, as they are scheduled to play Purdue at Lafayette, Indiana, Thursday, and Northwestern at Evanston on Friday.

Following this encounter, the Techmen will face Marquette in a home-and-series, and Concordia in a return match at River Forest to wind up their 1946 schedule.

IIT-7 CONCORDIA CTC-0

1. Hall (IIT) defeated Saeger (CTC), 6-0, 6-1
2. Ferguson (IIT) defeated Lohr (CTC), 6-2, 5-7, 6-1
3. Bergstrom (IIT) defeated Bayer (CTC), 6-0, 6-2
4. Davis (IIT) defeated Messerli (CTC), 6-1, 6-3
5. Hill (IIT) defeated Brauer (CTC), 6-1, 6-0

1. Hall-Bergstrom (IIT) defeated Saeger-Lohr (CTC), 6-1, 6-4
2. Ferguson-Rubin (IIT) defeated Bayer-Messerli (CTC), 6-1, 4-6, 7-5

IIT-7 LOYOLA LU-0

1. Hall (IIT) defeated Shapiro (LU) 6-1, 6-4
2. Ferguson (IIT) defeated Tafejian (LU), 6-2, 8-6
3. Bergstrom (IIT) defeated Capparos (LU), 6-0, 6-0
4. Davis (IIT) defeated Jagers (LU), 6-0, 6-1
5. Hill (IIT) defeated Schoeffel (LU), 6-0, 6-1

1. Hall-Bergstrom (IIT) defeated Shapiro-Capparos (LU), 6-2, 6-2
2. FergusonRubin (IIT) defeated Tafejian-Schoeffel (LU), 6-2, 6-0

Airedales Top Company Three in Navy Softball

Company four's baseball squad topped a company three team by a score of 5-1 in an intra-navy contest last Friday at Armour Square. The V-5 ers showed their ability to hit to win, collecting two home runs to aid their victory.

Both teams displayed a lack of timing at the plate due to a lack of practice playing with the 12 inch ball used. It was the buzz-boys who first solved the deliveries of Frank Lake, however, touching him for the four runs before Jim Krebs came in from first to take over the hurling.

Neither team was faultless in the field, the NROTC team booting two while the V-'ers committed only one miscue. Scoring for the flyers was set up by two walks, a single, with a home run clearing the sacks in the third. The fourth run came as a result of another four-sacker in the fourth. The lone run of the losers came from a walk, a double and a scratch single.

Hellcats Take IM Basketball Tourney

Intramural basketball honors were carried off by the Navy Hellcats when they walloped the Senior Juicers, 67-42, in the final game of the tournament. In a previous encounter the Hellcats had eked out a 38-37 victory.

The victors' scoring attack was paced by Dick Foster, who marked up 18 points. Superior play under the backboards and an efficient passing attack proved to be the downfall of the Juicers.

Foster of the Hellcats and Bill Windham of the Senior Chems were the outstanding participants in this season's IM tourney.

Sterling silver medals will be awarded to the members of the Hellcats. The team consisted of Dick Foster, Bill Dyke, Dick Forrar, Frank Breisacher, Ed Grimes, Bill Forester, Dick Huffman, Bill Morse, Al Dunn, Don Griffiths and Bill Funk.

Six Teams Remain in IM Tourney

Six teams remain in the intramural softball tournament after the last two weeks of competition, with each squad suffering a defeat. The champions of the school will be crowned by the end of this week and they will meet an alumni squad as one of the features of the Junior Week program. The graduate-undergraduate contest will be played on Ogden Field at 10:30 next Tuesday morning.

In one of the tightest games of the tourney, Lorie Schmidt twirled the Wrong Guys to a 4 to 2 victory over the Junior Perenniels. The Wrong Guys scored three of their four tallies in the first inning and then tightened up their defense to keep the Perenniels' attack in check.

Errors cost the Fire Protects a much needed win, when the Falcons outscored them in a 12 to 7 contest at Armour Square. Although Ray Nordhaus poled a booming homer for the Fire Protects, it failed to help their cause.

The All Stars trounced the Sophisticates to the tune of 18 to 1 on Ogden Field last Wednesday with everyone of the All Stars contributing to the onesided victory.

Bill MacDonough silenced the bats of the Fire Protects while his teammates, the Perenniels, were building up a 10 to 0 lead. The Perenniels coasted through the remaining part of the game with the final score standing at 15 to 1.

STANDINGS

	W	L
Wrong Guys	2	1
Senior Mechs	2	1
Falcons	2	1
All Stars	2	1
Sophisticates	2	1
Perenniels	1	1

Highest Flying Techawks

WINNERS—Holders of Tech's highest won-lost average this season, the tennis squad plays three matches this week. Coach Paul Bud Hermann stands at left. Front row, Bob Davis, Captain Gene Hill, Bill Rubin. Back row, Carl Bergstrom, Jim Ferguson. Missing is the squad's number one man, Bob Hall.

Cindermen Place in Elmhurst Relays, Then Lose to Hilltoppers

In the twelfth annual Elmhurst Intercollegiate Invitational track and field meet held on May 11, the Illinois Tech thinclads placed eighth in a field of 23 entries while Western Michigan clinched the team trophy by nosing out Wheaton.

Ralph Vogel started Tech's scoring for the day when he placed fifth in the field of twenty odd competitors in the 440 yard run. Ed Lindahl, the Techawks' veteran captain, salvaged a point in the 880 yard run by running fifth. Malis of Tech added another point in the ledger when he tied down the number five spot in the 220 yard dash.

Galbreath of Tech tied for fourth place along with three others to add ¾ of a point to the squads' total in the pole vault. Smith grabbed a fourth in the shot put event for two points while Tech's relay squad ran third behind Wheaton and Western Michigan to give the Techmen their final three points.

Two meet records fell during competition and several were threatened on the suburban track. Taylor of Western Michigan bettered the old mark in the 120 yard high hurdles set by Starrett of Loyola in 1934, by ½ of a second, churning the oval in 14.8 seconds. He also snapped the high jump mark of 6'3⅞" set by Bechel of Chicago Normal in 1935, when he cleared 6'4¼".

Below is a listing of the squads who scored in the meet.

West. Mich.	50¾	Miss. Hse.	8½
Wheaton	42	Loyola	6
Bradley Tech	27¾	Morton	3
Carbondale	23	Augustana	2
Ill. Normal	21	LaGrange	2
Mil. Teach.	11	Nor. Central	1¾
Charleston	9¾	DeKalb	¾
IIT	8¾		

Marquette Swamps Techawks

Illinois Tech's track team fell victim to the onslaught of the Marquette cinder squad under water laden clouds last Saturday at Yates Stadium by a 107⅓ to 23⅔ score. The Hilltoppers clinched first place in every event. "Howie" MacAdam paced the Tech squad with two seconds, the broad jump and the 220 yard low hurdles, while Shelton, Leas, and Jankowski led the victors with two firsts apiece. With the track heavy due to an all night rain, the times were high.

Next Saturday the Techawks close their campaign at the Beloit Relays, sponsored by Beloit College. Competition will run high with Wheaton College, the 1946 "little college" track sensation coached by miler Glen Dobbs, the favorite. Lawrence, DeKab, Bradley Tech, Beloit, and North Central are also expected to compete.

The basketball team got revenge in the last two weeks—in a peculiar form, but revenge. Three schools were responsible for four of the losses suffered by the cagers. Loyola handed them two narrow margin defeats and George Williams and Concordia squeezed by with a win apiece by a basket or two. The tennis squad, a minor athletic team under the present rulings, took on these outfits, one after another, and set them back on their heels, by completely onesided scores. Carl Bergstrom, lanky center on the cage squad, took particular delight in putting down Loyola's Capparos 6-0, 6-0 in the latest clash. His smashing strokes defeated Bayer of Concordia in two sets, 6-0, 6-2, and he rolled over Harper of the G. Williams, 6-2, 6-3.

Sonny Weissman revamped his entire lineup for the clash with Naval Armory here two weeks ago. Jim Sullivan, usually filling in at second, was moved to right field; Captain Fran Krawczak was shifted from short to third; Bob Bushelle, benched so far because of illness early in the season, started at second; Jim Railling, southpaw hurler, moved into center field. Danny O'Connell started on the mound, with Dick McKee behind the plate.

Though leading 8-2 in the fourth, the Techawks dropped it in the next three innings when Naval Armory racked up ten runs. The play was sad but the shift in positions wasn't the cause. The preceding game against George Williams, which was lost 13-8, found five errors against the Techawks, with the original lineup. The Concordia game just afterward was the scene of five errors with the original lineup.

It looks like individual inability. Weissman has turned out some good outfits in his time, yet this team has lost four in six starts. What looked like a good nine at the beginning of the season has failed to develop the coordinated teamwork necessary to a winning baseball team.

Alpha Chi Sigma to Offer Chemistry Tutoring Aid

Marvin Larson, president of Alpha Chi Sigma, announced that his organization would sponsor tutoring sessions for students of the freshman and sophomore level in chemistry subjects. Sessions will be held between 4 and 5 p.m. every Wednesday in Room 405 Main. It is hoped that all who are having difficulties will take advantage of this opportunity to get straightened out, said Larson.

Tech Nine Snaps 3 Game Losing Streak Against Concordia

"Sonny" Weissman's baseball squad snapped its losing streak at three straight last Tuesday when it came from behind in the seventh and eighth innings of a nine inning contest with Concordia Teachers to triumph, 7-3. Ken Adams went the route for the Techawks, limiting the Teachers to five scattered hits while collecting three singles himself.

Tech looked like it was offering its opponents another win on a silver platter in the second inning when three consecutive errors and a single gave Concordia a 2-0 lead. Three hits a hit batter, and another error, gave the Teachers another tally in the fifth.

The seventh stanza saw the breakup of the Concordia outfit as the Tech batsmen got on the range and blasted five singles, combined with two walks to drive five tallies across the plate. Dick McKee, who clouted a .500 for the day, started it with a single, but was thrown out at second on a fielder's choice that put Padula on first. Swanson hit safely and Ken Adams got his second hit of the game to drive Padula home. Vallerky, the Teachers' hurler, was up to his neck in trouble by that time, and when he gave up two walks and a base blow, he was relieved. Schwick was pulled out at short and he shouldered the mound chores with three on and two out. Jim Krebs was credited with two runs batted in when he drove one deep in right center to score Fran Krawczak, and Jim Knowlton. McKee, up for the second time that inning, rolled one down to the mound and was thrown out at first to end the stanza.

Two errors, two singles, and a stroll combined to give the Techawks two more runs in the eighth before Schwick bore down and marked up a K for Railling and Krebs.

The ninth ended with a Teachers on first and third when Adams picked up a dribble down to the mound and made the throw to first in time.

Naval Armory 12, IIT 8

Dropping an eight run lead in the third inning, the Techmen lost to an outhit Naval Armory squad last week on Ogden Field. Ken Adams was the losing pitcher. The Techmen chalked up an unimpressive total of six errors, five of them in the last four innings, to aid the Naval Armory cause considerably.

Danny O'Connell, since hospitalized because of an ankle injury, started on the mound, and held the sailors to three hits and two runs before Coach Weissman sent Adams in. In his three stanzas, Adam yielded six base blows which combined with four Tech misplays to send in ten tallie. It was the first time Weissman tried his revised lineup, with a complete shift of the infield. The next week the team was back at its original setup.

Triangle Rolls OverDaedalians

Triangle beat the Daedalians 23-0 last Monday, with Bill Bloudek pitching three hit ball. Only two men got as far as second base. Despite the large score and their inability to hit safely the Praetorians never stopped trying, showing a spirit we like to see. Joe Melek and Sam Curiale hit homers for the winners. It was Melek's third in three games. Tom Feehery was credited with a run batted when he flied out with runners on first and third.

The Interfraternity Track meet will be held on May 28th from two to four p.m., announced Ken Thompson, IF sports manager. The events will consist of sixty, one hundred and two twenty yard dashes; four forty and eight enghty yard runs; the shot put, broad jump and a high hurdle. East fraternity will be allowed two entries in each event. First place will be worth 5 points, second 3, third 2, and fourth 1. An individual cup will be given to the winner of the relay.

Illinois Tech Pioneers in Field Of Psychological Servicing Aids

The Psychological Services Department of Illinois Tech through its comprehensive testing and counseling aid is pioneering in the field of vocational guidance.

Located on the downtown campus, the department has rapidly expanded in its short life to include a staff of twenty-four specialists. This staff of experts is headed by Mr. George S. Speer, director of the Institute for Psychological Services. He is the energetic driving force of the department who has raised it to its present position of nationwide service.

The department, as its name denotes, is organized to give service, but what the name does not give a clue to, is the wide scope of services rendered by the Institute. Scoring of tests, conducting entrance exams, giving counseling service, testing of employees for industries and veterans' vocational guidance are only the high points of the work done by the Psychological Service department.

Of special interest to veterans attending IIT is the little known fact that the services of the department are available free of charge to them. To aid veterans in fitting themselves into the vocation most suited to them, the Veteran's Administration has contracted the department to give vocational guidance to any veteran under PL 16 or PL 346, the "GI Bill."

This gives the veteran the right and the responsibility to know if he is in the branch of engineering or liberal arts that will give him the greatest chance of success, or if his aptitudes are such that he is wasting his time by going to college.

The guidance, which the veteran would receive, consists of two parts, the comprehensive nine hour aptitude test and the personal interview. The applicant is given a battery of tests to determine his particular aptitudes, and personality traits. To integrate completely the results of these tests they are passed through an IBM automatic scoring machine 272 times!

From the compiled data the counselor receives a picture of the person's aptitudes, his particular interests, personality traits, and strongest innate mental capabilities. From this information the counselor is in a position, through his training and experience, to compare the desires of the man with his capabilities and opportunities as shown by his aptitudes.

"We won't tell a man he can't do something, but we will tell him his own chances of succeeding in any particular field. Determination can play such an important part that a man can overcome the odds and succeed. But it is important that he know that his only chance of success is through consistant hard plugging. If the odds are against him he can't be a play boy and get by where another man might," Mr. Speer explained.

If a veteran wishes to change his program he will be required by the veterans administration to take vocational counseling. On the other hand, if a veteran takes the tests and they show that he is not suited for the field in which he is studying or his aptitudes indicate he should be in another field, the results of the tests will be considered sufficient evidence by the V.A. to permit him to change his curriculum.

Appointments may be made by calling the downtown campus, 18 S. Michigan Avenue, eleventh floor, Veteran's Office of the Psychological Services Department.

The admission and orientation tests administered by the department are a basis for the counseling service under the Dean of Students. Tests are scored and judged from other colleges reaching as far as California and British Columbia.

The department's work is not limited, however, to student and college work. A good portion of the department's work consists of testing applicants and employees for large

(See IIT PIONEERS on page 6)

Five Members Elected To IIT Faculty Council

Five new members were recently elected to the Illinois Tech Faculty Council. The new members are professors S. I. Hayakawa, L and L department; H. L. Nachman, M E department; R. C. Kintner, Ch E department; Y. Brozen, B E department; and E. Sternberg of the Mechanics department.

Professors R. A. Budenholzer and H. A. Simon were re-elected to serve as chairman and secretary respectively. Professor Brozen was elected as vice-president.

Professor Sternberg replaces Prof. F. F. Cleveland, who is leaving the institution. The other newly elected members replace Prof. S. F. Bibb; J. B. Finnegan; J. C. Penn; and S. E. Winston, whose terms expire this semester.

According to Dr. Budenholzer the Faculty Council, which was organized in 1945, represents the members of the faculty in all matters pertaining to the welfare of Illinois Tech.

● AS I SEE IT

(Continued from page 1)

THE CANCELLATION of the issue of *Technology News* last week after most of the work had been done was a bitter disappointment to many on the staff and managing board. It was too bad that the ITSA did not consider the school paper important enough to warrant running the usual issue.

THIS WEEK sees the termination of one of the most successful season of the tutoring service sponsored by the Interhonorary Council. Tutors in all subjects found more applications than they could handle and the two days a week that the service was held found 10 to 20 men in room 114C being instructed and instructing each week. Much of the credit for the success of the operation is due to Dave Hoffman who arranged the schedules of tutors and did the lion's share of the planning. Alpha Chi Sigma, professional chemical society, is continuing its own tutoring service for those desiring aid in Chemistry and Chemical engineering.

THE RETURNS on the projected Junior Prom Queen Contest last week were rather disappointing. Only eight pictures had been entered up to early Friday morning. It would seem strange that out of 1900 male students only eight believe their date is worth entering in the contest. The managing board has decided that if there are less than 15 entries by the deadline next week, it will select the queen itself. If more than this number are entered, she will be selected by popular vote as originally planned.

● JUNIOR PROM

(Continued from page 1)

dress while the man may wear a suit. It also wishes to reassure the students that they need not worry about another dimout affecting the dance because a power generating unit will be available. Since the ballroom is on the second floor the possible lack of elevator service will not create a problem.

Del Rene's band has been appearing at the Marine Dining Room of the Edgewater Beach Hotel where it broadcasts over the ABC network. Leading the presentations of the evening will be the affable David "Demon Dave" Hoffman as master of ceremonies. In addition to Dave's wit will be Ed Lindahl to perform and amuse with his antics, plus added surprises, announced Wit Kosicki, chairman of the dance committee.

Mother's Day Program

HONORED AUDIENCE—Shown above are some of the mothers who attended the annual Mother's Day concert presented by the musical societies of IIT. About 300 mothers were present.

Summer Term to Open July 1 For Estimated 600 Students

The first summer term since the start of the war will begin the first of July. About 600 students are expected to enter this term.

Registration for regular students will take place in the lounge of the student union building on Wednesday, June 26, beginning at 8:30 a.m. New and returning students will register the following Thursday and Friday. No advance statement of entrance is necessary before registration. However, no registration councilors will be present and any problem will have to be solved beforehand. A late registration fee of $1.00 will be charged for registration after June 28.

Mr. Arthur E. Wright, coordinator of veterans affairs, said that veterans who wish to enter the summer term may do so by using two months eligibility time for six or more semester hours. Those who take less than two months eligibility twice and will receive less subsistance. The following table shows the exact parts:

Semester Hours	Subsistance
1 or less	no subsistance
1½ to 2½	¼ subsistance
4½ to 5½	¾ subsistance
6 or more	full subsistance

Mr. Wright also said that most veterans will be able to purchase their supplies under the G.I. Bill.

Forty-nine different subjects in thirteen curricula will be offered. The math and mechanical engineering departments are offering the most courses.

Pi Tau Sigma Honorary Initiates New Members

Fourteen men were initiated by Pi Tau Sigma, national honorary engineering fraternity, at IIT recently. Those initiated were: Ralph H. Anderson, Donald H. Asire, Robert Aspinall, Robert J. Evans, Louis E. Hart, James P. Hartnett, Ralph J. Hines, Harry T. Johnson, Edwin E. Lindahl, Kenneth Mortimer, Philip W. Schneider, John R. Spence, Glen S. Park, and Hans H. Wenzel.

The pledges were seen during the informal initiation carrying wrenches, wearing bright red bandanas, and blowing whistles. The formal initiation was held in the Faculty Club May 9, and was followed by a banquet in the East dining hall of the Student Union.

The basic requirement for membership in Pi Tau Sigma is a good scholastic average. Of importance also is extra curricula activities.

Paul Thompson's Paper Wins in ASME Contest

Paul A. Thompson's paper, "Synthetic Sapphires," was adjudged as the best of the papers read in the ASME contest last week.

Thompson thereby won the honor of representing IIT in the intercollegiate ASME contest. This contest, which is being held today, will have contestants from 15 midwestern engineering schools. The four top men in the Notre Dame contest will receive prizes of 50, 25, 15 and 10 dollars each.

Accompanying Thompson to South Bend are 25 ME students from IIT.

Patent Lawyer Talks to AICHE

Mr. George Von Gehr, a leading patent lawyer in the Chicago area, discussed patent law at the meeting of the American Institute of Chemical Engineers last Friday.

Mr. Von Gehr told the group about the requirements of a patent and the procedure for obtaining one. One of the most important factors is defining the limits of the patent in such a way that it completely covers the principle which the inventor has introduced but does not overlap on prior patents. A patent attorney also handles such matters as validity of patents, infringements, tradesmarks, and contracts.

The qualities required of a patent attorney are a technical knowledge, a law degree, a certain amount of literary ability, both written and spoken, and the ability of weigh the facts and come to definite conclusions.

Mr. Von Gehr emphasizes the importance of keeping a broad outlook doing more work than is required, and the ability to write and speak good English not only in patent law but in other fields also.

AIChE will present a talk on "Chemical Engineering in the Refinery Industry" by Dr. R. Gunness, research director of Standard Oil Company of Indiana, at 11 a.m. on May 24 in 405 Main, announced Marvin Larson, president of the AIChE.

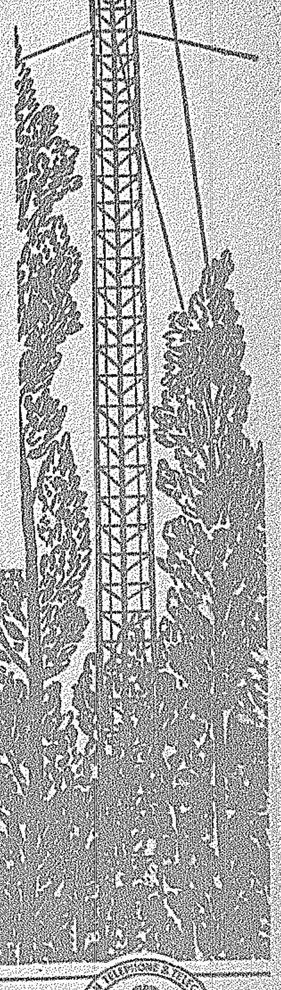
. . . by wire and radio!

Maybe you've thought of the Bell Telephone System as using only wires. It uses and pioneers in radio too.

Radio waves are used to carry your voice across the seas to telephones in other lands . . . across water barriers here at home . . . to vessels plying inland waters and to ships out at sea. And before too long, radio links will provide telephone service for cars and trucks.

Radio relay systems that will carry long distance messages from city to city are now in the advanced experimental stage.

In every case the Bell System uses the kind of transmission, wire or radio, that provides the best service for the most people.



BELL TELEPHONE SYSTEM

Picnic is Awarded to Winner In Battalion Competition

A picnic awarded to the winner of the navy intra-battalion competition will be held today at the 55th St. Promontory on Lake Michigan. The picnic will last from 4:30 p.m. to not later than 10:30 p.m. The winning company will leave drill at 4:30 p.m. and will travel on the navy bus. Lunch and refreshments will be served, and recreation will be in the form of softball and touch football. The picnic is strictly a stag affair.

Two more periods of inter-company competition will be held prior to the end of the present term. The winning company will be announced at the end of each of the following periods: May 20 to June 2, and June 3 to June 17.

Points are awarded on the following basis: each company begins with 100 points; Ten points for the company with the most precise drilling; and eight points for the company with most esprit des corps including qualities of leadership exhibited on the drill field. The percentage of company on academic probation is subtracted from company total points. Demerits per capita number multiplied by ten is also subtracted from company total points.

Intramural and intercompany athletics is encouraged by giving five points for any company teams participating in an intramural or intercompany game. Ten points total is given for each game won by a company team. Scheduling of games is done by the individual companies, but must clear through the battalion staff prior to the engagement.

Five points is given for quarters inspection, and an undetermined number of points for captain's inspection.

ACS Hears Talk by Dr. McCrone of ARF

Dr. Walter C. McCrone, director of the analytical division of the Armour Research Foundation, gave a talk on chemical microscopy at the meeting of the student affiliate chapter of the ACS on Thursday night, May 16.

Chemical microscopy is a very precise and quick method of observing chemical and physical phenomena and analyzing very small samples, Dr. McCrone said.

In the study of finely divided materials, such things as particle size, shape, and uniformity, size distribution, area and nature of the surfaces are observed. Some of the problems to which this data may be applied are floatation, crystallization, pourability, caking, and dusting of powders, and settling; exact chemical compositions may also be determined.

Dr. McCrone stated that the science is also applied to the field of qualitative analysis, both inorganic and organic. Very rapid identification of cations, and anions in minerals, metals, alloys, and toxological specimens is made. In organic chemistry, purity determinations and identification of compounds are made by observations of crystal structure, micro-reactions, and fusion analysis. It is interesting to note that this technique is the only safe method of analysis of high explosives, and was used extensively during the war.

The science lends itself very well to research in physical chemistry also. One and two- component phase diagrams may be determined; studies of solid solutions, polymorphism, dying of fibres, and correlations of physical properties with structures are made.

Dr. McCrone showed colored slides of crystal growing, reactions and substances which polarize light. One of the slides showed the fusion process of a substance; at a certain point the crystals reached a transition stage where they were liquid in character but maintained the general crystalline structure of the original particle.

After the demonstration an informal chemical tea was held in the student lounge.

Record Enrollment Forecast for Fall

With the proposed opening of the new Chemistry Building this fall, Dean Jack White said that the Institute was planning to boost the day school enrollment to 2500, the largest in its history. Of this total approximately 1,750 will be veterans.

Dean White also said that the Institute expects that 1300 of the prospective enrollment will consist of returning present students and another 600 will be composed of returning former students. Of the remaining 600 approximately 100 will be transfer students from other schools and the rest will be new enrollees.

Although there has been a large number of applications for the fall term, the Institute will continue to consider new applications until June 15, he said.

IIT PIONEERS

(Continued from page 5)

corporations. Since industrial counseling is gaining wide spread recognition and the demand for aptitude testing of employees is increasing, the department's load is growing larger.

The tests given vary with the type of work and the caliber of mentality required to perform the tasks at top efficiency. "The person might be able to do a job satisfactorily but it is our job to find out what he can do best." said Mr. Speer. "Even if a workman is not hired, the test is of great value to him and the company. He will have the benefits of the tests for future job hunting, and the company profits in not hiring a man that would be of questionable use to them and that the applicant, though not hired, leaves with a feeling of good will."

The scoring of tests and initiating new ones for ever increasing demands keeps the department busy and constantly forging ahead in the search of knowledge. The Human Engineering laboratories which have often been confused with this department, possibly because they, at one time, rented space from Illinois Tech, are in no way connected with the Institute. The Department for Peychological Services is as much a part of the school as the Mechanical or Home Economics Department.

A distinction to be noted between the two psychological centers is that the Illinois Tech department is organized to give counseling as well as a testing service.

Mr. Speer came to IIT only last September from the Central YMCA where he served as Professor of Psychology and was the director of the Institute for counseling. At present, besides directing the department at IIT, he is chairman of the William J. Cook Scholarship Fund Advisory Committee, which recently tested 100 students on the south campus.

Veteran Affairs Officers Speak at IIT Vets Meeting

Mr. Corrado De Sylvester, veteran training officer and Mr. Arthur Wright, coordinator of veterans affairs were the speakers at the Illinois Tech Veterans Association meeting last Friday.

Mr. Wright gave a brief talk on summer vacations and eligibility time and then introduced Mr. De Sylvester to the members of the club.

Mr. De Sylvester led a discussion on VA form 7-1950A, which is to be filled out by all PL 346 vets. Mr. De Sylvester urged all PL 16 vets who have not seen him to make out a report to do so at once.

Rev. Roupp Sounds Call for Morality At ASME Assembly

The Rev. Dr. Harold W. Roupp, pastor of the Central Church and Chaplain of IIT, addressed the students of Illinois Tech last Friday at an assembly sponsored by the student branch of the American Society of Mechanical Engineers. The subject of Rev. Roupp's address was "Have You Got What It Takes?"

"Unless we can make a new world both morally and spiritually there will be no world for us to practice our engineering knowedge in," said Rev. Roupp. "We have progressed," continued the speaker, "in science but never has there been such a world as we now have which contained so many hatreds, fears, and suspicions. We have won the recent battle with our enemies but now we are fighting among ourselves, suspicious of our neighbors and prejudice of minority groups."

"In order to make a new world it will take the right kind of education. The greatest joys in life do not come from our chosen vocation but from what we do as citizens, husbands, and fathers."

"Integrity and Courage," according to Rev. Roupp, "are also necessary to build a new world. It has been said that the purpose of evolution is to put a back bone in the human race. If this is true, the only disadvantage of evolution is that it acts too slowly. Courage to apply self application to put a halt to all the wrong of the world is the first law and greatness and of God.

"Good will and faith are also necessities for making a new world. Far too many people have faith, but in the wrong things. People have faith in horoscopes, tea leaves, the slogan might makes right, but too few have faith in God. Faith in God, which is of primary importance should not be fox-hole religion but a continuous and everyday religion. Probably more people at home during the war showed fox-hole religion because their dear ones were at war and their lives in danger. With the war at an end these people are gradusually dropping their new faith and returning to their old habits.

"Finally, it takes a capacity to stick it out, known as perseverance, to succeed in making a new world, which is a necessity in order to save the present world or life as we know it."

Dr. Roupp has been associated with many colleges and universities, including the University of Berlin and Oxford University. He has studied engineering at Carnegie Institute of Technology, and has received degrees from Ohio Wesleyan University and Boston University.

Editor of 'New World' Addresses Newman Club

Father Thomas A. Meehan, associate editor of the "New World," official Catholic newspaper of the Chicago diocese, addresed the Newman Club last Tuesday, in the West Dining Room of the cafeteria. The subject was "The Catholic Press."

Fr. Meehan explained what it takes to make a newspaper, where it gets its income, and the differences between a daily and a weekly paper. He pointed out that the editorial "slant" of a Catholic newspaper is based on the moral law and the ten commandments.

This afternoon at 5 p.m. Mr. Edward Marciniak will address the club on "A Catholic Looks at Labor." Mr. Marciniak is a labor leader and editor of "Work" magazine.

Future Pledges at Rho Epsilon Social

Rho Epsilon, professional radio engineering fraternity, sponsored a social for prospective pledges last Friday evening. Those who are chosen will go through a pledging period of about four weeks duration. During this time, they will carry buzzers, collect the signatures of all actives three times each week, and complete a project in electronics. Pledging will begin this week.

During open house, Rho Epsilon will operate the amateur radio station in their quarters on the fourth floor at Chapin Hall. On Tuesday evening, May 28, the television receiver will be on exhibit on the second floor Main. In addition, Rho Epsilon will demonstrate the "Kiss-o-meter," an instrument for measuring the quality of a kiss.

Eta Kappa Nu to Honor Six Pledges

Six men were initiated into Eta Kappa Nu, electrical engineering honorary fraternity last Friday. Those to be honored are: Paul Boggess, Grant Hansen, Seymour Lascoe, Veikko Peltola, Chandler Sammons, and Leon Sternick.

The initiation and banquet will be held at Martin's Restaurant, 120 S. LaSalle St. Dean John D. Larkin will be the guest speaker. His address will concern, "The Government Role in the Labor Crisis."

Stickers for Students

Two IIT stickers may be secured free of charge from the college bookstore upon the presentation of a student's drivers license, according to Paul J. Fox, bookstore manager.

These decals may be placed on the windshields and back windows of student cars, thus giving IIT boosters a chance to display their colors.

Armour Eye to Meet Tonight

A meeting of Armour Eye, the Illinois Tech student camera club, will be held tonight at 5:00 p.m. in the Armour Eye quarters on the fourth floor, second entrance, of Chapin Hall.

Calvin Zehnder, president, in announcing the meeting, said that all active members and any "shutterbug" interested in joining should be present. Plans to be discussed include a program to put Armour Eye back on the list of active clubs on the campus. Included in this program is the salon exhibition formerly displayed in Student Union, which died out with graduation of the majority of the members last term.

A preliminary reorganizational meeting was held last Friday in the studio, at which arrangements were made to clean up the dark rooms and make necessary repairs to misused equipment.

Zehnder said that the only qualification for membership is an active interest in amateur photography. He also stated that Armour Eye is fully equipped to carry on photographic work. Two dark rooms complete with trays, tanks, two enlargers and an adequate water supply are available to members. The club furnishes chemical needed for developing and printing pictures, and has for use in the studio an 8x10 and a 5x7 studio camera. A print dryer, purchased several years ago by the organization, is still in good condition. Other accessories include photoflood lamps, reflectors, tripods and a drawer for each member in which to store equipment.

Graduation Speaker To be Dr. L. Mann

Dr. Louis L. Mann, rabbi of the Sinai Congregation in Chicago, will be the speaker at the June commencement to be held on Saturday, June 22. The ceremonies will be held in the auditorium of the Museum of Science and Industry at 8 p.m.

Dr. Mann is a graduate of Johns Hopkins, U. of Cincinnati, Yale, and the Hebrew Union College. He is well known as a speaker and a leader in civic and national affairs.

Dr. Harold W. Roupp, pastor of the Central Church, will also give a brief address. Professors C. A. Nash and W. W. Colvert will be the commencement marshals.

Dean White announced that approximately 87 civilian students will graduate. Captain Mc Gregor stated that 19 of the 32 navy graduates will be commissioned as ensigns and will go on active duty after the ceremony. The other 13 will be given reserve commissions in the Navy.

BOTTLED UNDER AUTHORITY OF THE COCA-COLA COMPANY BY
COCA-COLA BOTTLING CO., OF CHICAGO, INC.