

IF YOU HAVE ANY FEARS that the blood you donate is going to waste, Bob Burkhardt, secretary of the Student War Council, refers you to Lieut. Comdr. James W. Sours.

Comdr. Sours, Bob relates, can convince you in less time than it takes you to sign your name to the Blood Donor Registration Blank, that every drop that is sent overseas is heartily welcomed; both by the medical officers and the soldiers alike.

Comdr. Sours vividly remembers that one lad, wounded in the Solomons, had to be given nine transfusions to keep him alive until the necessary facilities for further care could be reached. This means that it took at least nine people back home to combine in saving one life.

Remember, that when you think "my half-pint won't count."

EVIDENTLY ONE ITEM student voters failed to look for in their ITSA representatives, was what they might be doing at 2 o'clock on Tuesday afternoons. Only four of the student representatives could make the last meeting because of conflicting laboratories.

This inspires me to wonder if they are coming to IIT to be ITSA representatives or to participate in the academic curricula. Certainly the same question must have entered their minds when they decided to run for office. With the laboratories already booked for Tuesdays, it must have occurred to them that they could not do both.

Either they decided that some benign act would set everything straight when the time came, or that their respective opponents would undoubtedly win anyway, so they might as well run just for the competition. Probably they were duly shocked at the turn of events.

In either case, however, their decision sets the problem of finding a time when fifteen people are simultaneously free for at least two consecutive hours into ITSA Prexy Harry Anderson's lap.

While the lap might disappear when Harry stands up, it's a safe bet the problem won't.

REMEMBER THE PICTURE on the sports page last week in which Chet Swan was identified as a catcher? Well there's a story behind it that makes us blush with shame.

The photo was submitted by Photo Editor Ed Johnston and was selected for the sports page and sent to the engraver under the assumption that Ulysses Backas, the power behind the sports pages, knew everything there was to know about it.

But Backas, it turned out, hadn't even seen the picture, so when it arrived at the printer's it became a problem. We decided to violate the cardinal principle of journalism and guess what was taking place, rather than waste the customary fee that is entailed in its production.

It was decided that the figure behind Chet was Bill Parks, a senior civil. Bill, I argued, would be too (See AS I SEE IT on Page 6)

O'Leary Heads Honor Board

Tim O'Leary and Earl Mills have been re-elected officers of the Honor Board following their successful re-appointment to the board July 30.

In an election by the board of officers on Wednesday, August 4, O'Leary was elected president, Mills vice-president, and Ulysses Backas, secretary. Backas is serving on the board for the first time.

The remainder of the meeting was devoted to instructing the new members in the procedure followed by the board. This included a review of cases brought before the board last semester. The selection of faculty advisors was also discussed by the board, although definite appointments have not been made as yet.

the new TECHNOLOGY NEWS

ASTP Training To Begin with 22 IIT Profs.

Army to Take Full Time of Most; to Add More If Needed

Twenty-two professors and instructors have been assigned to the Army Specialized Training Program on the Armour campus.

The majority of them will be on a full time schedule teaching the army men, and will no longer have civilian classes. Several instructors, however, will only work part time in the army program.

Nine members of the IIT faculty will teach physics. Dr. James S. Thompson, chairman of the physics department, will be in charge. Other faculty members from the Armour campus are William W. Colvert, professor of physics, Thomas A. Hunter, assistant in physics, and Robert S. Kirk, laboratory instructor.

Dr. M. A. Countryman, assistant professor of physics at Lewis, has been assigned to the army program, as were Harold S. Renne, William Kincaid, Everett F. Wagner, and Louis Dolinko, former Signal Corps instructors, who will also serve as army physics teachers.

Four instructors will teach mathematics (See ASTP TRAINING on Page 6)

Sophomores Obtain New Bulletin Board

President Tom Ruck announced that the sophomore class will have a bulletin board, effective today. The new bulletin board is situated in the main building and will occupy one-half of the space formerly reserved for the freshmen.

Ruck advises all sophomores to keep in touch with the new bulletin board for any news concerning the sophomore class.

Faculty Criticism By Student Shows Excellent Spirit Says Faculty; Consider Viewpoint A Bit One-Sided

The editorial of July 26 aroused so much comment both among the faculty and the student body that the Managing Board of *Technology News* is presenting here the replies received from the faculty members judged to be the most typical of their opinions. The first reply is from Mr. Ernest H. Freeman, professor of electrical engineering. The second is from Mr. Anthony T. Balint of the technical drawing department, and the third from Mr. Edgely W. Todd of the department

To the Editor:

The editorial in the July 26 issue of *Technology News* is along lines in which I have been interested for many years. I have always been interested in learning more of the students' attitude toward the educational problem; the editorial gave me some new slants. Here are some other points which should be considered.

Boasted one man to a friend: "I am a self-made man." "Lucky dog," replied the friend, "I am a revised edition of a wife and two daughters."

As a matter of fact, both of these men were self-made. The only difference between them was that one had received more—or less—intelligent direction than the other.

It has long been recognized but frequently overlooked that, in the final analysis, all education is self-education. It is a matter of internal growth and development prompted by a desire to know and to do. It is not something that can be delivered by one person to another. It must be

(See FACULTY on Page 6)

Miss Askew, Gillespie Concur



War Council president Harry Gillespie receives approval on the lounge as the temporary Red Cross Mobile Unit base from Miss Mary Askew, assistant director of the Red Cross Donor Unit.

Large Signs to Tell When Co-op Is Open; Arenson and Uhlir to Head Bookstore

Observing students have probably noticed a conspicuous triangular-shaped sign hanging from one of the windows of Chapin Hall. Announcing that the Engineers' Co-op Inc. bookstore is "now open," this sign can be seen from a considerable distance, even as far away as the entrance of the Student Union building.

When the sign is not displayed it is an indication that the bookstore is closed. In the future it will no doubt save many an engineer's strength, formerly spent in the tortuous climb to the "students own" bookstore on the fourth floor of Chapin.

Two smaller signs have been located in Chapin Hall, one on the stairway leading to the second floor, and the other on the stairway to the third floor.

Besides taking such progressive

steps as already outlined, the Co-op has had a complete reorganization of personnel. Everyone on the present board of directors has a specific duty.

A recent election gave the positions of president and vice-president, respectively, to Don Arenson, sophomore physics major, and Art Uhlir, chemical engineering student. Harry Weinberg and Don Arenson were elected to the board to replace Maximo Langer and Ray Tubergen, who resigned.

Other members of the board are S. I. Hayakawa, technical advisor; Lewis Wallner, secretary; Walter Nathan, treasurer; Frank Zapp, publicity manager; Wally Ito and Bob Schneller, purchasing agents; Earl Mills, membership chairman; and John Matthews, store manager. Harry Weinberg has been appointed assistant publicity manager.

To the Editor:

This letter is written to point out to the readers of the *Technology News* editorial of July 26 a number of fallacies which it contains.

In the first place, Mr. Rowbotham appears to identify poor teachers with teachers who have not taken education courses. I would be willing to predict that the correlation between the so-called "good" teachers and those who have education courses to their credit would be found to be exceedingly low.

The charge that "fifty per cent of the IIT teaching staff would not be permitted to teach in Illinois high schools" is, therefore, not a legitimate issue. One does not learn how to teach, I regret to report, by taking education courses.

Only a teacher knows that the best way to learn to teach is to teach; the first requirement is for him to know his subject. An alert teacher capable of self-criticism can do more toward improving his teaching ability than most education courses.

(See FACULTY on Page 6)

Red Cross Unit To be Here on Aug. 24, 25, 26

600 Blood Donors Are Needed; 'Navy Men Will Back Drive'—Burkhardt

August 24, 25, and 26 will be red letter days at IIT if War Council plans have anything to say about it, president Harry Gillespie stated last week, for during those three days 600 IIT students will be going through the standard donor routine in the Lounge of the Student Union.

That the Red Cross would definitely send a Mobile Unit here was announced last week following a visit to the campus by Miss Mary Askew, the assistant director of the Red Cross Blood Donor Unit. Miss Askew gave her hearty approval of the lounge for the use of the Mobile Unit, being especially pleased with the lighting and ventilation offered there, Gillespie revealed.

While present plans call for a three days visit by the Unit, Gillespie stated that it will be necessary to have 200 donors per day, or a total of 600 for the period. This comprises a large percentage of the civilian student enrollment, so the

(See RED CROSS on Page 6)

Signal School Graduates 3951

With the completion of pre-radar study by 180 men and one woman Saturday, a total of 3951 persons have been trained in radio, electronics and code in Illinois Institute of Technology's signal corps training program. Illinois Tech inaugurated this training program on May 25, 1942.

Director of the training is Dr. Jesse E. Hobson, chairman of Illinois Tech's electrical engineering department.

Out of the total group of signal corps trainees at the Institute, 3305 persons have been introduced to the study of Radar, new secret weapon of war now helping allied forces to win battles despite adverse weather conditions.

The pre-radar training is conducted on three levels and includes courses in pre-radar, advanced electronics and ultra-high frequency techniques. Students completing the most advanced instruction are eligible for Radar study at army schools.

Pre-radar students are largely members of the Enlisted Reserve Corps who, upon completion of their courses, are assigned to advanced study or active army service.

Pre-radar classes and laboratory sessions are conducted on the Lewis campus, where \$150,000 worth of the newest and most complete radio and electronics equipment is available. Much of it was designed and built by Illinois Tech engineers, as it is too new in principle to be manufactured by standard electrical companies.

IIT's signal corps program also includes a second phase—the Radio Operators School, which has trained 646 men in code and radio procedure. The school was established in October, 1942, in the buildings of the Northern Illinois College of Optometry, 42nd and Drexel.

The Radio Operators School closed its doors on July 31, for code instruction has been taken over by army

(See SIGNAL SCHOOL on Page 6)

TECHNOLOGY NEWS

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Broken Records?

It has been the custom of the various honorary fraternities to regard the averages as computed and recorded in the registrar's office as the source of and final authority on the scholastic standing of the student body.

Yet you will probably recall the undercurrent of uneasiness that swept the campus last semester when it was discovered that one of these fraternities had failed to consider several men because their records had been misplaced, and so failed to reach the fraternity's hands.

And as a result, this fraternity was subjected to a great deal of undeserved accusations. No matter how unjustified, they have not failed to leave their mark, not only upon the fraternity involved, but upon all similar organizations.

Already this semester one of the departmental honoraries, upon going over the records of the men in their group alone, has disclosed that the records will have to be viewed with scepticism at best.

One of the highest ranking seniors in that department was not even listed with his class.

Another eligible candidate would have been missed entirely had not his class work made his absence from the list conspicuous. It was discovered that his average was listed .2 of a point lower than it actually was.

It must be realized that there is a degree of scholastic proficiency disclosed by the records which often carries enough weight to throw a decision on a candidate in a definite direction when it might go the other way in the light of other considerations.

To lose the convictions placed in this factor because of inaccurate records will seriously handicap the purpose and function of these organizations, and might easily lead to an inimical attitude toward their future activities.

Dr. C. W. Kepner, the registrar, recognizes the presence of this situation and the problems that these fraternities must face. He has promised to furnish, after this semester, trained staff members to compute averages instead of student help. Further, the averages will be made available to the respective honorary fraternities in exact accordance with provisions set up by the Interhonorary Council.

This promises a definite step forward in the future. But each of the fraternities must yet select men this semester on the existing basis. There will undoubtedly arise individual situations where a man, feeling that he has qualified in every respect, will wonder whether his name has actually been submitted for consideration.

He has no recourse whatsoever. He is powerless to inquire of the fraternity for fear that he may actually have been considered. Ill feeling will be easily kindled.

We hope the judgment of these organizations will be regarded in the light of the conditions under which they must operate.

—LARSON

Man Of The Week—

Backas, Champion of Student Causes, No Stranger to Job of Office-Holding

By RAY OLSON

Two weeks ago the junior class elected Ulysses Backas as its vice president, last week his fellow students named this same fellow to the honor board in another election, and this week he becomes *Technology News*' "Man of the Week" in recognition of these honors.

The office of vice-president found Backas, more familiarly known as the "Greek," not a stranger to the job, as he was vice-president of his sophomore class and also has served as vice-president of the board of directors of the Co-op Bookstore. He has retired from the latter post to serve as advisor to the Co-op.

Also the office of secretary is just as familiar to Ulysses—and he has also won twice in the last two weeks in this respect. He was just named secretary of the Honor Board, and the week before he was elected secretary of the Armour Players.

The "Greek" is also an important figure on the paper which this week salutes him. He is sports editor and circulation manager—and in this position, his becomes the face that is associated by students with *Technology News*, as he passes out the paper on the south campus each week.

Backas is also a member of the "Let's eat our lunches in the balcony" enforcement committee. However, this is one position where he maintains a relatively inactive status partly because it interferes with one of his favorite hobbies—making friends and keeping them.

As though this were not enough, Ulysses is a freshman adviser and a baritone in the glee club.

In reward for his untiring efforts on *Technology News*, Backas has been made a member of Sphinx, IIT's honorary journalism society. Rho Epsilon, honorary radio society, has Ulysses on its roster. In addition, he belongs to the American Institute of Electrical Engineers.

In his "spare" time, Backas, besides studying electrical engineering and maintaining a fairly high average, manages to play a fast second base for the junior electrical's softball team. His musical talents are not restricted to singing, for Backas plays the mandolin.

He firmly maintains that although he likes to dance and does this very often, he is a ladies' man only when the time affords. Backas also enjoys, according to reliable sources, taking a little time off to sit around and "bat the breeze" with some of his many friends.

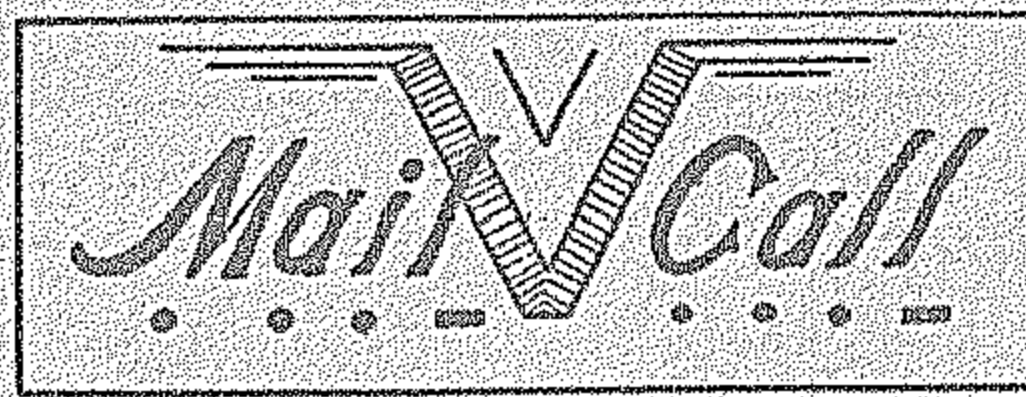
The "Man of the Week" has built up an enviable reputation as a champion of all student causes. Backas, although not a member of ITSA, attends all the meetings of this organization.

He is not at all hesitant about telling this board what students think, what they want, and what he thinks of any anti-student legislation. Backas led the campaign against the fifty-cent locker fee; he is now fighting for better tennis courts at IIT.

Backas came to Illinois Tech from Calumet High School where much of his time was occupied with earning money so that his dreams of being an electrical engineer might be fulfilled. He looks forward to a bright future in electronics.

The Collegiate World

A "Hobby Workshop" is provided for the students at Lawrence College, Appleton, Wisconsin. Instructors are there at all times. Students may do such things as painting, pottery making, designing and making linoleum block prints. Special sketching classes are open to anyone on the campus. Dark rooms are furnished for camera enthusiasts.



(EDITOR'S NOTE: Items concerning IIT men and women in the armed services will be printed in this column, and excerpts from letters from these men and women will also be presented. Contributions to the column will be welcomed, and the newspaper staff will make every effort to obtain news and letters from the stars of Illinois Tech's service flag—a group now numbering more than 700.)

By LOU WENGEL

Greetings to all the boys are sent in by Ensign Donald J. Keigher, USNR, F.P.E. '43, who is stationed on the destroyer U.S.S. Knapp, launched July 10, 1943, as assistant engineering officer.

V V V

A letter received from 1st Lt. Jack Emrick, M.E. '43, and also censored by the same 1st Lt. Jack Emrick gives hints of exciting adventure. Excerpts from his letter follow.

"Have been here (location undisclosed) four months now—had a good trip over, totaled about 14,000 miles by air. I lost my ship shortly after arrival here and now I'm flying 'Forts'."

V V V

Fate smiles occasionally on IIT boys as evidenced in this letter from Pvt. James ("Red"), Gibbons, M.E. '44, stationed at the University of Maryland.

"Well, I've finally cashed in on that fool Irish luck of mine. I am now stationed here for engineering. Couldn't talk my way back to the middle west."

V V V

Lt. (j.g.) William F. Vizard, E. E. '42, stationed in California, sends in his complete address to be forwarded "to the mailing room of all blondes, brunettes, and red-heads" claiming he will be there for "one hell of a long time." After that, he optimistically believes his outfit will be stationed on "some island in the south-west Pacific, that is, after we clean it up a bit." Interested persons can obtain his address and the addresses of other service men at the *Technology News* office any Thursday afternoon.

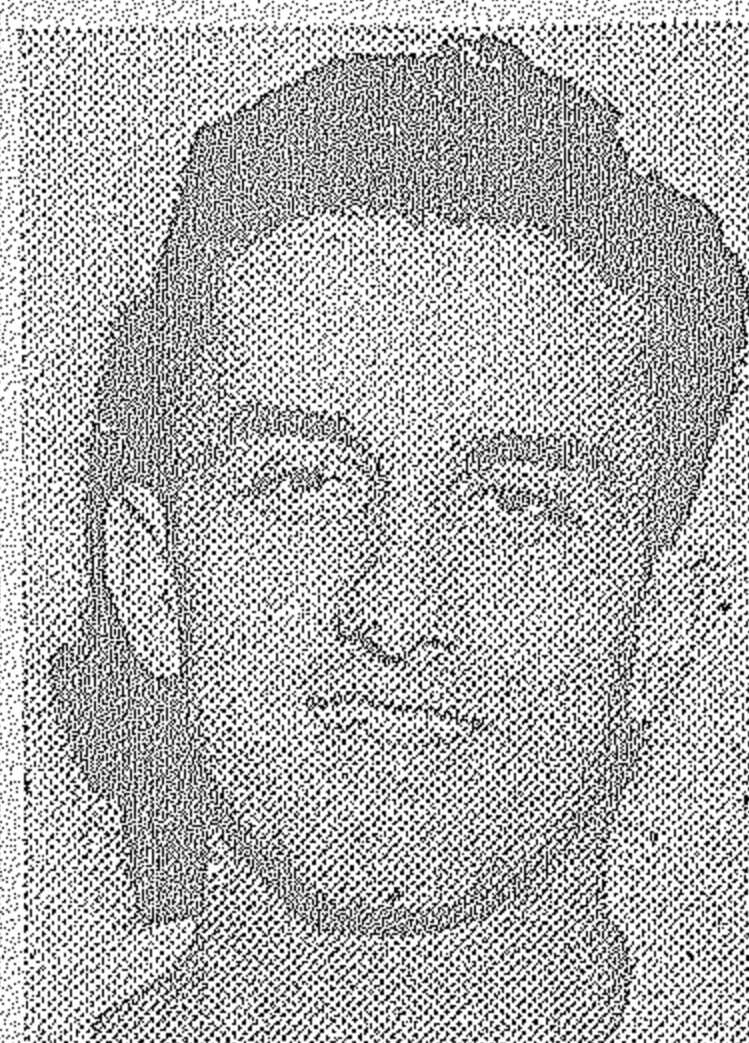
V V V

Although he is not in the armed forces, Leroy Simpson, MEC '43, is still doing his part in the war effort as flight engineer for the Pan American Airways Company which is serving the navy. Excerpts from Leroy's letter follow.

"Several other IIT fellows, Adam Jemsek, John Warhus, John Aikens, Don True, and myself are all here working for the Pan American Airways Co. at their Pearl City base. So far I like it very much. The climate is beautiful and the work is interesting. Our room and board is on the navy which makes it pretty good.

Our diversion here is rather limited to our occasional beer brawl among the twenty of us who live in the same house. There is a blackout and curfew at 10:00 p.m. and since we are fifteen miles from the city of Honolulu it is impossible to be in town after dark and still be home before curfew.

Part of our job consists of making an occasional trip to the South Pacific. The sights to be seen in some of the areas are both awesome and interesting. The display of U.S. arms in a lot of these places really makes you know that we're fighting a war."



Ulysses Backas

ITSA MINUTES

MINUTES OF THE ITSA

The meeting of Aug. 3, 1943, opened at 2:15 p.m. with President Harry Anderson presiding.

President Heald, Dean Tibbals, Dean Clarke, Mr. Spaeth, Mr. Weissman, Prof. Schommer, and Lt. Anderson of the administration, faculty, and Navy were present.

Ronald Ailara, Lou Wengel, and Ronald Lind of the board were present along with six members of the student body. Classes and laboratories prevented the attendance of the other members of the board.

The first item of business was the proposed budget for the present term. The budget was presented by Mr. Spaeth and was as follows:

PROPOSED ITSA BUDGET
 Term beginning July 1, 1943

Income:	
Lewis	925.00
Armour	6,275.00
Navy	1,080.00
Total	\$8,280.00
Expenses:	
Publications:	
<i>Technology News</i>	\$1,150.00
<i>Integral</i>	575.00
<i>Engineer & Alumnus</i>	862.00
Total	2,587.00
Directors and Coaches	1,200.00
General Expenses	1,200.00
Intramurals	500.00
Musical Clubs	400.00
All School Social	
Program	1,238.00
Reserve for Fall Sport	
Program	1,100.00
Total	\$8,280.00

In the discussion of the budget, the problem of what to do with the monies of the now defunct Co-op Classes was raised by Lou Wengel. No action was taken but it was suggested that a committee of co-ops be formed to report to the ITSA regarding their class funds. Pres. Heald expressed the opinion that the monies should be divided up among the class treasuries according to the status of the Co-op class involved.

Lou Wengel moved, Ronald Ailara seconded, that the proposed budget be adopted. Motion passed.

Prof. Schommer moved, Dean Clarke seconded, that track begin this summer and that the track men should begin training now. Motion passed. In this respect, Prof. Schommer stated that it was entirely possible that transportation for the track team might not be available, depending upon the future laws governing travel.

There was no *Tech News* report. The by-law governing the all school committee was read and discussed. Ronald Lind moved, Lou Wengel seconded, that the by-law be accepted and incorporated into the constitution as such. Motion passed.

This by-law read as follows:
ARTICLE IX—All-School Social Committee
 Section I.—Membership:

The All-School Social Committee shall be composed of the Social Chairman of each class at Armour and Lewis and one faculty member. The chairman of the committee shall be the Armour senior representative.

The faculty representative shall be elected by the Illinois Tech Student Association Board of Control every other semester.

Section II.—Powers:

Every social function of the Illinois Institute of Technology is subject to the approval of the All-School Social Committee. This shall include approval of date, time, and place. Smokers, parties, and dances specifically as such are included.

The All-School Social Committee shall advise and assist in social functions when asked, and shall itself promote all-school functions.

The All-School Social Committee may require pro-rata financial aid from all classes when promoting all-school affairs.

Prof. Schommer moved that Dean Tibbals be appointed as faculty advisor for the All-School Social Committee. Motion passed.

Mr. Spaeth offered the following resolution with regard to the *Engineer and Alumnus*:

"Whereas, each and every student paying the regular Student Activity fee has paid the amount of \$0.75 (seventy-five cents) per semester subscription fee to the *Illinois Tech Engineer and Alumnus*, be it now ordered that students who have paid the current fee of \$7.75 per term for a total of eight (8) or more terms during their attendance at Illinois Institute of Technology, shall be considered to have paid a life subscription to the magazine and shall receive therefore all future issues of the magazine during their life and the publication of the magazine."

Mr. Spaeth moved, Lou Wengel seconded, that the resolution be accepted. Motion passed.

Mr. Spaeth then revealed that the ITSA has been declared to have no authority to accept the state tax refund for the individual students.

The time of the next meeting was set for Tuesday, Aug. 17, 1943, at 2:15 P.M.

Respectfully submitted,

Ronald Lind, 1st Vice-President
 (Acting for Warren Furst, Secretary)

Tech Time Table

Tuesday, August 10	
3:30 p.m.—	Tau Omega—IAL
5:00 p.m.—	Tau Beta Pi—Faculty Grill
Wednesday, August 11	
5:10 p.m.—	Army Band—Auditorium
6:30 p.m.—	Navy Band—Auditorium
Friday, August 13	
10:30 p.m.—	Math Club—214 Chapin
Monday, August 16	
5:00 p.m.—	WSE—Faculty Grill

The Other Side—

Dr. Hobson Is Engineer Who Likes Music, Journalism, Horticulture, Psychology

By HAROLD BURKHART

Did you ever think of mixing into one character the personalities of a journalist, a symphony violinist, a home-made horticulturist and psychologist, and an engineer?

Such a varied personality is found in the person of Dr. Jesse Edward Hobson, chairman of the electrical engineering department.

During his undergraduate days, "Jess" was made the editor-in-chief of the *Purdue Engineer*, a monthly student magazine. At the same time he was a first violinist in the Purdue Symphony Orchestra. After receiving his bachelors degree, he says, the violin was temporarily laid aside due to a lack of time. Although he will still fiddle occasionally, he now finds greater enjoyment in his large collection of both classical and non-classical records.

The horticultural side of his nature finds vent in his garden, a favorite sanctuary, which blossoms during the entire summer.

The home-made psychologist? He likes to study people. He even goes a step farther than most psychologists. He likes people. In fact, that is why he is here at IIT.

He recently said, "It is more fun to be in contact with students than to sit down and work on formulas. That is why I am not in active engineering."

And then comes the engineering side of this complex person's life. He received his masters degree in electrical engineering in 1933 using as his masters thesis "An outline for a text book in high voltage measurements."

Then, because of his graduate work, he was simultaneously awarded the Charles A. Coffin Foundation fellowship and position as a graduate assistant and research fellow at the California Institute of Technology, where, in 1935, Dr. Hobson received his Ph.D., Magna Cum Laude.

He then assisted in Designing and building a 1,000,000 volt surge generator for Cal Tech. During the summer of 1935 he became supervisor of high voltage frequency and surge acceptance tests on circuit breakers for the Boulder Dam-Los Angeles transmission line.

OUTSTANDING PEOPLE make up the faculty of Illinois Tech, and this column seeks to acquaint the students with the activities, and particularly the research work, of some of the members of the faculty and to tell "the other side" about them.

Professor Hobson left Cal Tech in 1935 when he was called upon by Earlham College, Richmond, Indiana, to reside there as an assistant professor of mathematics.

In 1936 he left Earlham and came to what was then Armour Tech as an instructor of electrical engineering.

The year of 1937 saw him with the Westinghouse Electric and Manufacturing Company as a central station engineer in Pittsburg. In August of 1938, he was a central station engineer at headquarters for the Northwestern district.

In 1940, Eta Kappa Nu selected him as "The Outstanding Young Electrical Engineer of 1940."

At the present time, he is a member of four honorary fraternities; namely Sigma Xi, Tau Beta Pi, Eta Kappa Nu, and Sigma Delta Chi. He is secretary of the American Institute of Electrical Engineers and a member of the sub-committee for the investigation of arc furnace over-voltages and the committee on basic sciences. He is also a member of the Society for the Promotion of Engineering Education and the American Association of University Professors.

Dr. Hobson is the author or co-author of more than twenty technical and scientific papers.

Don't Be Alarmed—It's a 20 Minute Warm-up



CHICAGO—

Studio Theater Still Breaking Records

THE STUDIO Theater is still breaking records.

Noted as the theater which set an all-time Chicago record when it showed the "Virgin Bride" on a run that lasted more than a year, the Studio this past week set another record. It was the first Chicago entertainment spot to respond to *Technology News'* request for co-operation in keeping service men at IIT informed as to what goes on in the "Windy City."

A form letter was sent to more than 100 entertainment centers—movies, legit theater, concert managements, night clubs, dance halls, et al—and the Studio was the first to respond.

names 'n notes

CORRECTIONS (notes from the editor on a couple of names) . . . That was a basketball team that NELL STEELE played center on . . . And SHELDON YOUNG, whose avocation is saving lives as lifeguard, is preparing for a vocation as a civil engineer, not as a chemical, and Chi Epsilon, the honorary which he heads, is of course a civil honorary . . . DR. MYRIL B. REED who has a Ph.D. in mathematics is assisted by MRS. REED in grading quizzes and homework. She has a master's degree in mathematics . . . The Chicago Flat Janitors Union, Local 1, has BERT ANDERSON, senior mechanical, as a member. Bert "janitorized" apartment buildings during his summer vacations . . . PVT. LEON KRANTZ of New York City was Playground Director of the New York Dept. of Parks during the summer of 1942 . . . CHARLES LaMANTIA, president of the freshman class, graduated sixth highest scholastically in his class at Tilden Tech. He was also an officer of the champion Tilden ROTC . . . RAYMOND MAYER, sophomore chemical, collects various species of insects as a hobby . . . The president of the Armour Tech Camera Club in 1903 was DANIEL ROESCH, present professor of automotive engineering . . . The Victory Garden of ROBERT H. SAUNDERS, assistant in chemistry, has been acclaimed by his neighbors as the best in his block. When not doing research work, he spends his time growing vegetables . . . WILLIAM ZECHEL, freshman fire protect from Maine Township High School, Park Ridge, refused a scholarship from Northwestern University in order to accept one from IIT . . . DON RICHARDSON, freshman electrical, has been an amateur magic enthusiast since he was eight years old.

NOW PLAYING at the Studio is "Ravaged Earth." This is a film photographed and produced by Mark L. Moody, a prominent American business man in China for 23 years.

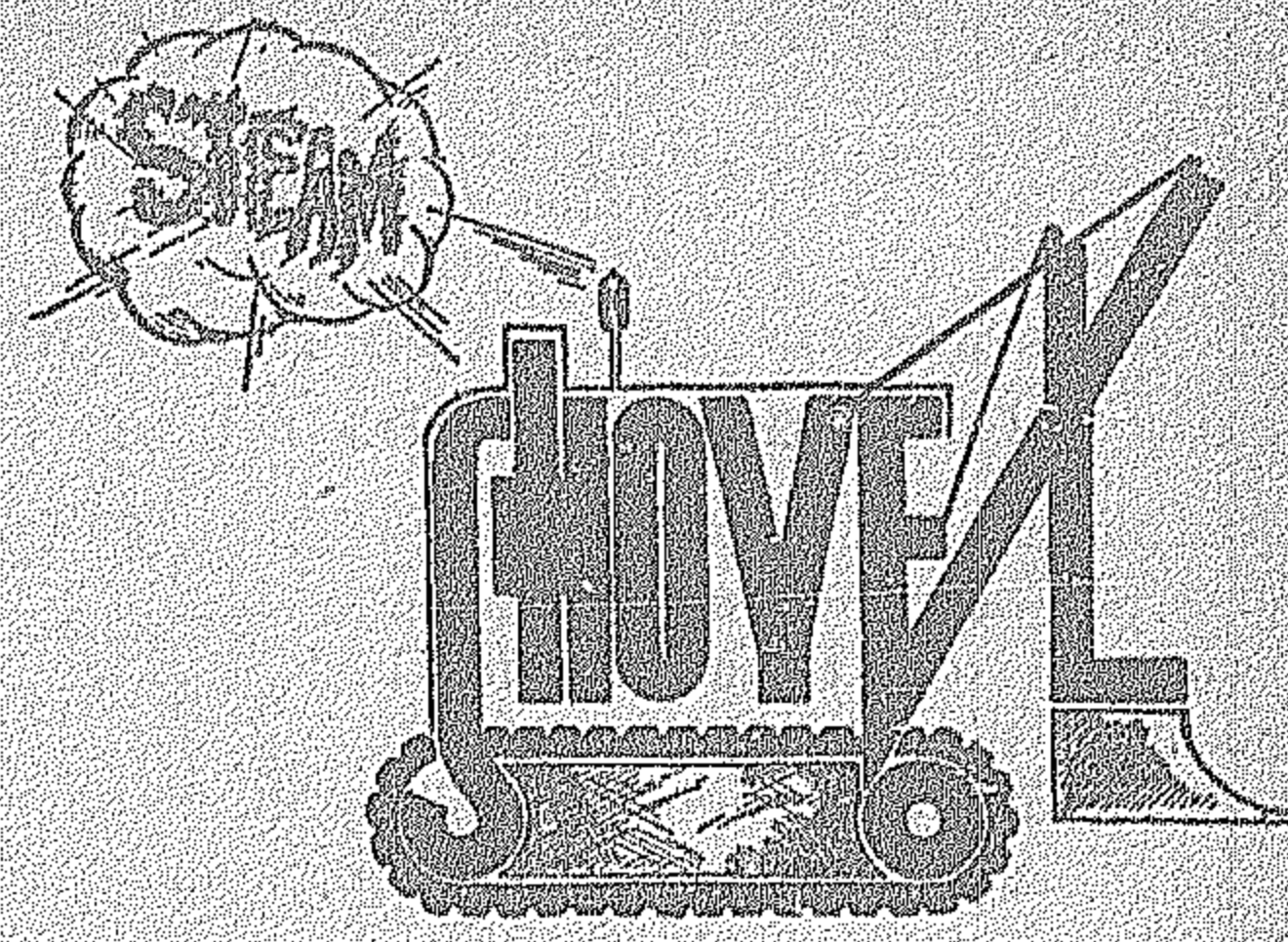
Quoting from the press sheet on the film, it is learned that "Ravaged Earth" shows the bombing and killing of thousands of peaceful men, women and children, wanton destruction on a wholesale scale, rape, pillage and brutalities" and that "the picture is 100 per cent non-Hollywood, and on account of having no 'staged shots' it brings an impressive impact of the truth."

Sounds like a picture servicemen, and in fact everybody, should see; a *Technology News* reporter will be dispatched to the Studio this week to check up and bring back a report for the next issue.

A REPORTER—two of them in fact—did drop in on "Kiss and Tell" at the Harris this last week, and the report is; Put this play on your MUST list.

The two *Technology News* reviewers were in unanimous agreement that this comedy is just what the doctor ordered for summer laugh relief from the heat. Only argument they had was as to which was the funnier, "Kiss and Tell" or "Good Night Ladies," but both agreed that "Kiss and Tell" provides plenty of laughs.

RECOMMENDED for after-the-theater is a stop at the Downbeat room, just around the corner from the Harris.



Too many students are under the impression that the faculty consists of a bunch of "long-hairs" who live only for the torture they can inflict on the students. These next few lines are in contradiction of this belief.

Higher education is a wonderful thing. When one reaches the top, as represented by the status of department head at IIT, you can be sure that person has "something on the ball." It is little wonder, therefore that one of these men has displayed remarkable versatility. Totally engrossed in his subject, one of these lofty administrators was seen reading not one, but three copies of "Esquire" on an elevated train.

When "Diesel Dan" Roesch was Chief Engineer of the Lorraine, Ohio, Power Co., he was testing the voltage on those old-fashioned arc lights on the street intersections. The test consisted of placing a volt meter across the lamp terminals. Roesch sat on a stool and thought himself perfectly insulated and so he was until a dog came along and stuck his wet nose against the tester's leg. Both Dan and the dog described a parabolic arc to the opposite side of the street.

Continuing in our policy of bringing to the attention of all you wolves the "mostest of the bestest," Steamshovel again publishes a phone number heretofore considered "private" by one Techman, Mr. Robert Kirk, grad student. After long and concerted effort, he has managed himself into the inside track with Hazel Byrnes, luscious south-side femme. If you want the details on his smooth operations, phone SAGinaw 4717—Hazel will tell all to any man!

As it must to all men, romance has finally entered into the dreary lives of Gordon Theurich and Ben Johnson. After several weeks of tactful maneuvering and down to earth wolfing, the two have found themselves in the good graces of those two luscious bits of femininity, Mary Ann and Irene of the cafeteria staff.

Another Contestant for the charms of Irene, cafeteria belle, is that debonair Senior Electrical, Harry Weinberg. He carefully staked out his claim Wednesday night at the dance club. Evidence of the success of this claim showed in his starry-eyed face upon entering the lounge from the secluded stairway with the aforementioned "woman in white."

The title of this story is "How a Sailor Saves His Money." The principal characters are Jerry Houle, V-12 civil, Lou Brodt, and Jerry's little one-and-only. Mr. Houle gave his entire pay from the Navy to Mr. Brodt, who forwarded it to Jerry's O-and-O. After considering his expenses for the coming month, she returned half of the pay, keeping the remainder for Jerry's hopechest.

That tired haggard look on George Erkart's face last Monday was the result of a week-end visit to Nashville to see Karen.

In order to spend the maximum amount of time there, George prolonged his return until 8 a.m. Monday morning.

The "girl friend" is a United Air Lines Stewardess flying between New York and Nashville.

Sorry no phone number—it's a toll call anyway.

Doris Meller, one of the few female freshmen, has been conveying Don Dunning, frosh mech, to school every day that she can. She calls for him at his home and together they make the long journey from Brookfield to IIT.

Bob Roberts and a certain math instructor have both been smitten by the charms of a slim, dark-haired damsel named Dorothy Blum. The instructor may have money, but the men of IIT have that irresistible charm that appeals to all fair and lovely females.

Don Anderson, soph physics major, has been squiring Lorraine Fortunato, golden-voiced Rogers Parker. He is thereby added to the long list of her ardent admirers. As an engineering student this poor fellow is at a disadvantage, but just think of all the money he will make when he graduates, Lorraine.

Week Sees Two Favorites Fall New Horseshoe Tourney Starts

Jr. Electricals and Soph Mechanicals Remain Only Undefeated Teams After Two Weeks Play

Two tournament favorites, the Senior Chemicals and Senior Mechs No. 1 met defeat in the second week of the intramural softball tournament. The tourney is now giving indications of being the closest in recent years.

Opening the week's play, the Soph Chems downed the Sr. Mechs No. 3 by a score of 8-4. It was the Chem's initial victory of the campaign and the second loss in a row for the Mechs.

However, the Senior Mechs No. 3 came back strong on Wednesday for their first victory by crushing the Jr. Mechs 14-0.

With their hitting attack functioning smoothly and efficiently behind an airtight defense, they assumed a commanding lead and went into a rout.

Another Mech team, the Sophs No. 2, saw action when they went down in defeat before the Freshman Snug-Gibs by the count of 7-4.

On Thursday the Soph Mechs No. 1 gained same measure of revenge for the No. 2 team by defeating the Snug-Gibs 9-3. It was their first game, and since it resulted in a win, it put them in a first place tie with the Jr. Electricals. Both teams are undefeated and have one game in the victory column.

The previously undefeated squads met their initial loss last week. The Jr. Chems were the victors over the Sr. Mechs No. 1 8-6 and the twice defeated Sr. Civils beat the Sr. Chems 5-3.

It was the sloppy fielding on the part of the Mechs, combined with several well placed Chem blows, that was responsible for the Mech defeat.

The Sr. Civil-Sr. Chem game saw the Chem hitting slump off to the point where they could only garner seven hits to ten for the Civils.

Previously in the week the Sr. Chems had knocked over the Sr. Mechs No. 2 team by a score of 9-3.

After the mid-week defeat, the Sr. Mechs No. 1 club squeezed a close 3-2 victory over a snappy Soph Mech No. 2 team.

Team standings as of today and the schedule for this week are as follows:

	W	L
Jr. Electricals	1	0
Soph Mechs No. 1	1	0
Sr. Mechs No. 1	3	1
Sr. Chems	2	1
Jr. Chems	2	1
Soph Mechs No. 2	2	2
Soph Chems	1	1
Sr. Mechs No. 3	1	2
Sr. Civils	1	2
Snug-Gib	1	2
Sr. Mechs No. 2	0	1
Jr. Mechs	0	2

Delts and Pi Kapps Win Opening Games

Delta Tau Delta and Pi Kappa Phi emerged victors in the first games of the current intra-fraternity softball tournament.

Outslugging the Triangles, the Delts paced by Dick Michalek, Jim Neighbor, and Loyd Thored, totaled 13 runs against 8 for their opponents. Jack McClow clouted a home run in this game.

Scoring five runs in the last inning to come from behind, the Pi Kapps trounced the softball fraternity champs Rho Delta Rho.

Hank Dirksen became a pitcher who not only could pitch but also hit when as helped win his own game by getting four hits. Ray Tubergen and Don Lang sparked the defensive play of the winners while first baseman Sylvan of the Rho Deltas played outstanding ball.

Three games are scheduled for this week. The Triangles play the Rho Delts tonight. Tomorrow the Pi Kapps meet Sigma Alpha Mu at 5 o'clock and Alpha Sigma Phi will meet the Delts Wednesday night.

Monday	Tuesday	Wednesday	Thursday	Friday
Soph Chems vs. Jr. Mechs 1:30-2:30	Soph Mechs No. 1 vs. Jr. Chems 1:30-2:30	Sr. Mechs No. 1 vs. Sr. Mechs No. 2, 2:30-3:30	Sr. Mechs No. 2 vs. Jr. Chems 12:30-1:30 Jr. Electricals vs. Soph Mechs No. 2, 11:30-12:30 Soph Chems vs. Sr. Chems 1:30-2:30 Soph Mechs No. 1 vs. Jr. Mechs 1:30-2:30	Sr. Civils vs. Sr. Mechs No. 2 11:30-12:30

Starting Monday, August 18th, all proponents of that ancient art of horseshoe pitching will have an opportunity to display their talents. This day marks the opening of the intramural horseshoe tournament, open to all ITSA members.

Competition will consist of singles and doubles matches, and champs of each will receive intramural athletic awards of medals.

Each match will consist of best two out of three games, loser being eliminated.

A man may enter for both singles and doubles competition. All entries must be in the hands of the intramural manager by 5:30 p.m. Wednesday, August 11. They may be placed in the intramural box in the Student Union Lobby or turned in to Mr. "Sonny" Weissman's office.

Each entry must contain the name or names of the contestants and the times that a match may be scheduled. The intramural bulletin board should be watched for rules and schedules.



By BACKAS

It usually takes a fire under an ordinary IIT students' chair to get him to attend any sort of a gathering or meeting. These same Tech men are the first to "gripe" when something is either done or not done to suit their fancies at one of these meetings. I am going to try and build a fire under your chairs and try to get you to attend one of these meetings.

Two weeks ago I brought up the question of repairing the tennis courts on the south campus. Many people have indicated that they would like to see new courts built. Most everyone who plays the sport would like to see a project of some sort undertaken so that they could indulge in this sport during their spare hours.

I believe that if enough people show an active interest in this tennis question, the ITSA and the administration will be convinced that the need for new courts is imminent. Therefore a meeting of ALL who are interested in tennis is to be held tomorrow, Tuesday, in the Faculty Grill in the Student Union at 5 o'clock. For you new V-12 men, the Faculty Grill is that room just west of the lunchroom.

Coach Mike Schultz is very much interested in this question and he will conduct the meeting. Plans are to be formulated and an open discussion will be held.

If 30 or more men don't appear at this meeting the whole question will be dropped because of a lack of interest. 'Nuff said.

Elsewhere on this page you will find a story about an Army basketball team that is maturing over in the Armory.

An interesting thing is happening around the campus since the ASTP and V-12 have arrived. Everywhere you go you hear words to the effect that "Wow, you should see the star basketball players we have in our barracks" or "Wait until our team takes to the floor—we'll moider da bums."

The Army boys have been practically living basketball since they set up housekeeping in the Armory. Most of them don't realize that V-12ers haven't as yet had a chance to sharpen their eyes but as soon as their basic is up they will probably be more than willing (and my guess is) able to meet all Army competition.

The service teams mustn't forget a possible strong civilian team consisting of former Techawk cage men. A team composed of Jack Byrne, Tom Kilgariff, Danny O'Connell, Cliff Oliver, Jim Oldshue, Casey Puchalski, Gordie Fleischer and a few others, would give the service teams a run for their money. Here is hoping for an all-out tournament between these contingents. It should be a corker.

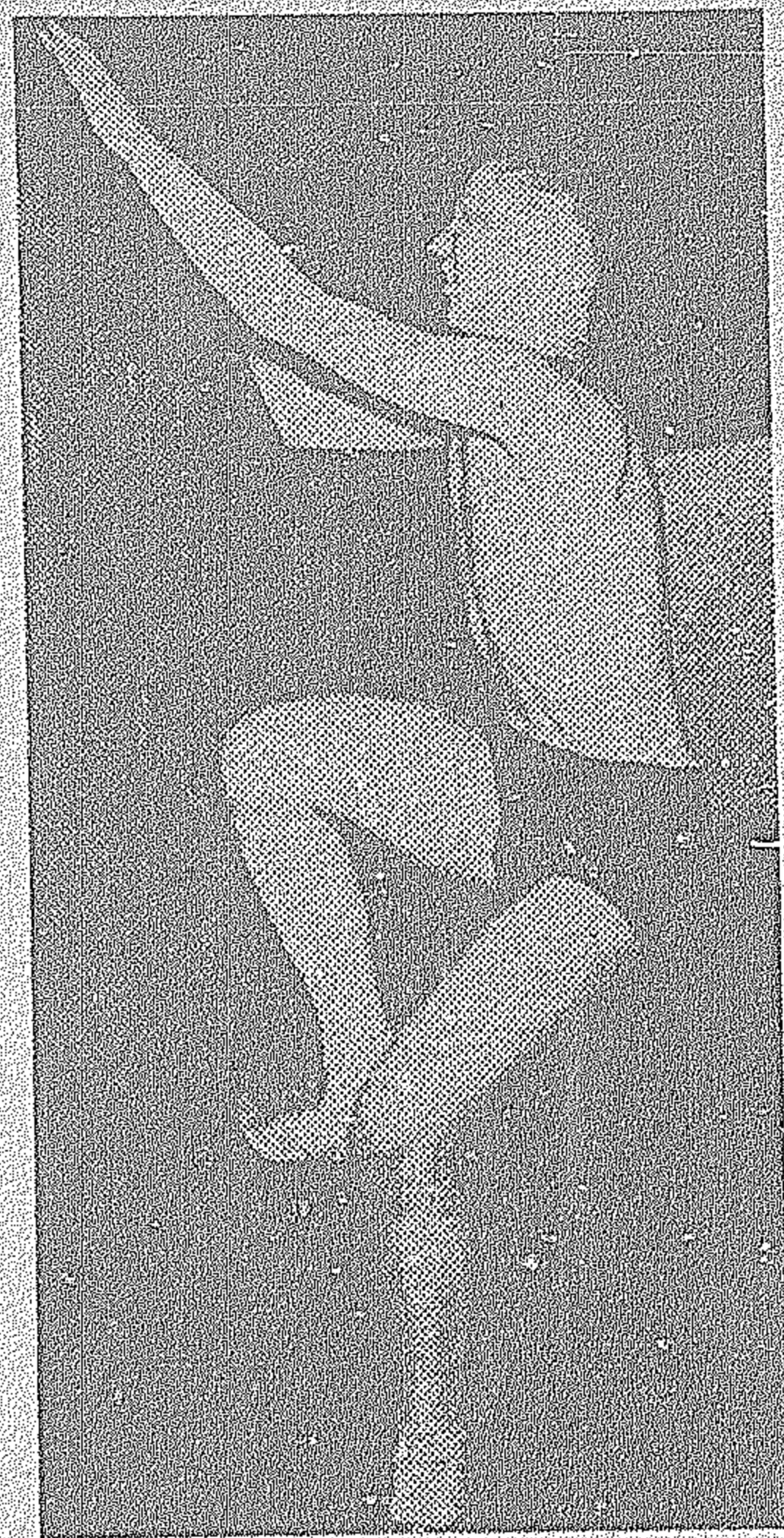
With the advent of an intrabarracks Navy softball tournament there are three tournaments now taking place on the campus. Intramural baseball enters its third week while the intrafraternity tournament goes into its second week.

Next Monday one more—the intramural horseshoes tourney begins. All civilian students are eligible and V-12ers who paid their ITSA fee.

There should be a definite announcement pertaining to track in next week's issue. Mr. John Schommer is negotiating with the Research Foundation for the services of Dr. Wilmer Rinehart. If he can be spared from his war work he is more than willing to continue as coach of the squad.

Sports Notes—Intramural manager Cliff Oliver would like all captains of the various softball teams to turn in a note indicating their team's attitude on the subject of spikes. The opinion of the majority will become the rule of the tourney... The Junior Electricals and Soph Mechs #1 are leading the softball league. I told you I wasn't prejudiced... "Belly-acher of the week" is the title earned by Sr. Chem. Otto Kruse... Rodney Fraser of the Soph Mechs is playing a flashy second-base for that team... Oliver looks like the baldheaded wonder out in left field when he runs after a pop fly for the Sr. Chems. Could it be the Chems' loss of power? Could be, due to the loss of Cliff's curly locks? ... See you tomorrow at the tennis meeting.

Over the Top



Seeing Jonnard Greenberg limbering up on the obstacle course at George Williams

ASTP Cagers Send Challenge

Former College Stars Look for Competition

"Come one, come all" is the challenge extended to basketball teams in the Chicago and its near-by suburbs by members of IIT's ASTP unit.

According to these army men, many top flight athletes are included in their ranks. In addition almost every sport is represented by college lettermen or professional players.

At the present time, attention is focused on basketball because of the many courts in the Armory.

The unit can put into action basketball stars from such schools as Ohio State, University of Illinois, St. John's, Penn State, UCLA, St. Mary's, and Texas A & M. Also available for action are several players from a number of the country's professional and semi-professional clubs.

Confident in their ability, the ASTP unit is eager to meet any team which can be put on the floor by the vilians or the navy.

However, their ambitions are not restricted to conquering the campus alone, hence the anxiety to meet any team from the Chicago area.

V-12 Men in Swim; Only 17 Percent Are Sinkers Now

SOS means sink or swim, but only "swim" to the navy. And because the navy wants no sinkers, all non-swimming V-12 trainees are receiving instructions three times a week on how to remain afloat.

The present number of non-swimmers at IIT is one hundred thirteen, or about seventeen percent. This figure compares very favorably with the thirty percent found at boot camps throughout the country.

Swimmers are divided into three classes. Third class swimmers can swim fifty yards. This classification is a prerequisite for the rating of second class.

Second class swimmers must enter the water feet first from a minimum height of ten feet and remain afloat for ten minutes. During this time men must swim one hundred yards and use each of three strokes for a minimum of twenty-five yards.

'Shepherd Is All Time Great in Basketball,' Says Pledge Shepherd to Honor I

This guy, Shepherd, is one of the best damn basketball players that I've ever seen. And I know! I've known the lug all of my life. From the time he used to throw the ball around in the playground to his great games at Armour, although when he was at the playground, he was just a little squirt and couldn't handle the ball right. (Now he is a big squirt, and can!)

Shepherd is a great ball player, good all around—makes a good center, is fast as a whip as a forward, makes baskets right and left from all over the floor, but his most outstanding playing appears when he is at guard. There he clings to his oponent like a bulldog, never letting him get away from him, and thoroughly preventing him from going anywhere.

Of course, in desperate cases, the referee sometimes has to "request" Shep to kindly let go of the guy's arm, but that just shows Shep's devotion to the game and to his team.

His great spirit is equal with his playing—never talking back to the ref, doing just as the coach says, wouldn't think of moaning to the other jerks on the team, and NEVER, NEVER playing the grandstand.

Those long shots from the center line are not just "showing off!" He sometimes makes one of those, once in a great while. And when he is playing, he is oblivious to the crowd—except that time when he got the ball bounced right off his chest, because he was looking toward the

This swimmer is classified as one who can "take care of himself". The second class rating is a prerequisite for the first class tests.

The swimmer first class must be able to do the following:

1. While in the water, approach a man of approximately his own size, demonstrate a "break or release", get the man in a carry position, and tow him twenty-five yards.

2. Enter the water feet first and swim under water for twenty-five yards. Swimmer is to break the surface for breathing only twice during this distance at intervals of about twenty-five feet.

3. Remove trousers in water and inflate for suport.

4. Swim two hundred twenty yards, using any strokes desired.

This swimmer is classified not only as one who can "take care of himself", but as one who is "able to help others" in case of emergency.

sidelines. But you can't blame the poor dope, especially when this girl with the gams was crossing her legs right in front of the poor guy.

In his earlier days of basketball at Tilden, he was the captain of his team, and there wasn't a better captain anywhere than good old Shep, even if I do say so myself. He was still rather a little punk, almost as broad as he was tall, and the other teams always expected to run circles around him. But as a guard, he was a sucker, . . . ah, I mean a blood sucker, you know, stuck to his man all the time.

He was one of the fastest men on the team, and was sometimes called "Lightning," by his many admirers. And tricky! Say, when he was weaving down the floor, nobody knew where he was going to throw the ball. Not even his own team. I still insist that the time he got his feet all tangled up, ran head-on into the guard on the other team, and then threw the ball to the other guard, was because someone on his team goofed him up, ruining his trick play.

Perhaps you are wondering how I know so much about this Jack Shepherd, and consider him one of the greatest basketball players of all time. Well, *#%\$(&)*, I ought to. I'm Jack Shepherd.

Editor's Note: This is an essay by Jack Shepherd that was required for the Honor I initiation. His subject was "Why I think I should be admitted to Honor I".

Dining Problem To End in Fall

"By next term the lunchroom will be capable of serving every person at the Institute," Dean L. E. Grinter stated last week.

More efficient operation will result from the utilization of all facilities, and the change in class time, coupled with a more evenly divided scheduling of V-12 classes during the lunch hours, he revealed.

The plan, as outlined by Dean Grinter, will concern only the lunch hours between 11:30 and 1:30. All the navy men will be able to eat in two half-hour shifts by that time because of the precision training they are receiving, and these periods will be from 12 to 12:30 and from 12:30 to 1 o'clock.

Civilians having the 11:30 to 12:30 period free will be able to eat from 11:30 to 12. The lunchroom will then be closed from 12 to 1, the only hour it will not be available to everyone. Available again at 1 o'clock, civilians having the 12:30 to 1:30 period free will be served during the last half-hour.

Five minutes will probably have to be allowed between shifts, Grinter stated, but this should cause no trouble if the civilians can learn to eat as efficiently as the navy. Also, he believes several more tables will be made available to the civilians very soon, as the kitchen is already increasing the rate of handling its task.

An attempt was made to effect a schedule similar to that proposed for next term at the present time, but a survey of the V-12 student's program cards by Registrar C. W. Kepner indicated that the number of men who might have their lunch hours shifted was too small to offer a solution.

Pi Tau Sigma Plans Initiation

The new men of Pi Tau Sigma, honorary fraternity for mechanical engineers, will be formally initiated at a banquet on Thursday, Sept. 9, announces president Bert McCleneghan.

The following schedule has been set up for the election and initiation of these men: Election: Wednesday, August 18; pledge week: Tuesday, August 31 to Thursday, September 9; dinner dance for the active members: Friday, September 3.

The following committees have been set up to carry out the pledging activities:

Interview of Prospects Committee: James Heap, chairman, Earl Goldberger, Marcus Heidmann, and Robert Sholeen.

Pledging Committee: Jack Soderberg, chairman, Raymond Smith, Allen Devinatz, and Clarence Ceroke.

Banquet Committee: Frank Carqueville, chairman, Thomas Dunsheath, Fred Sternberg, Robert Schneller, and Robert Ericson.

Evaluation of Pledges Committee: James Carroll, chairman, Charles Rowbotham, and Harold Sogin.

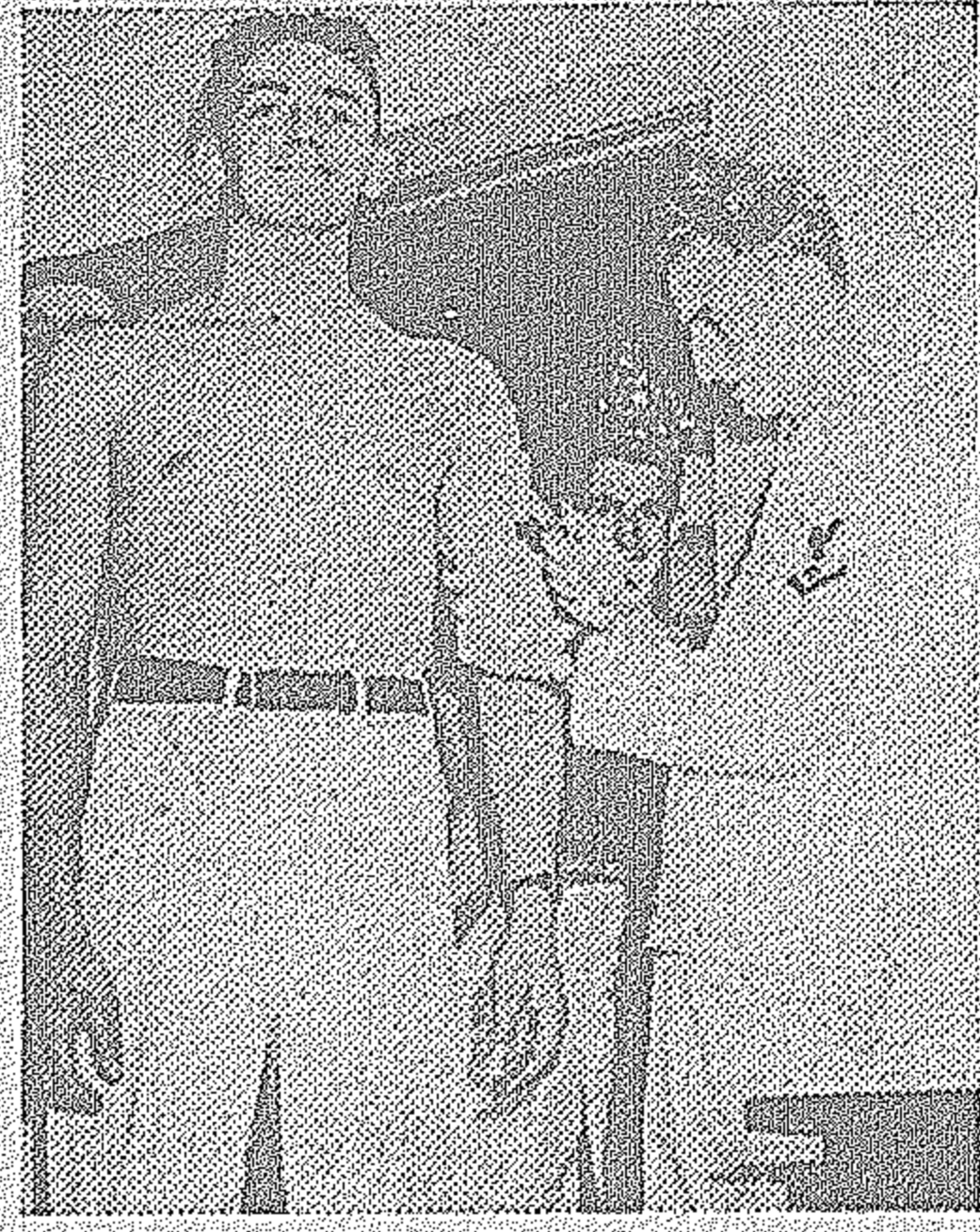
Hypo Needle to Have Last Chance to Poke Fun at Navy Men; Serum Has Date

The bane of all servicemen, the hypodermic needle, will have one last poke at the navy men here before leaving.

According to Physician's mate George Fyffe, a final double dose of anti-tetanus serum still has a date with the men near the end of next month.

This final shot will complete a series of injections to safeguard the men against typhoid, tetanus, and smallpox. The men will then have received 6 shots: three for typhoid, two for tetanus, and one vaccination. Fyffe stated that 1,150 cc. of typhoid serum and 700 cc. of tetanus serum were necessary to inoculate the navy students here. These figures do not include the serum used on the

V-12 Eklund Grins



George Eklund grins as Pharmacist's Mate 1st Class George Fyffe wields the hypodermic needle.

Ten Added to IIT Faculty

Ten persons have been added to the instructional staffs of Illinois Tech's physics and mathematics departments, eight men having been transferred from IIT's signal corps training program.

Dr. Lester R. Ford, head of the mathematics department, announced the addition of five men and one woman to his staff. Four men will serve as new instructors in physics, according to Dr. James S. Thompson, head of the physics department.

Dr. Haim Reingold, formerly in charge of mathematics for the signal corps program, is now assistant professor of mathematics in charge of mathematics in the Navy program at George Williams College. Dr. Ruth Mason Ballard, who is on leave of absence from Wright Junior College in Chicago, is an instructor in mathematics for the Navy at George Williams.

Mathematics instructors in IIT's Army Specialized Training Program will be Dr. Louis Garfin, former head of mathematics at the Radio Operators School; Hugh J. Miser, former pre-radar mathematics instructor; and Philip L. Browne, former electronics mathematics instructor.

Dr. Edward Helly, distinguished European mathematician who received his Ph.D. from the University of Vienna, will serve as a visiting mathematics lecturer in the Army program. Dr. Helly has been ill, however, and will not arrive here until September. His work during August is being taken over by J. P. Esposito, evening school instructor, and A. S. Householder, professor of mathematical biophysics at the University of Chicago.

Louis Dolinko, Everett F. Wagner, Harold S. Renne and William Kinikaid are new instructors in physics. Renne has served as a pre-radar laboratory supervisor, and Dolinko has conducted a course of radio instruction for pre-radar instructors.

Dr. M. A. Countryman, professor of physics, who has been teaching at Lewis, will now devote full time to teaching at Armour, it was announced this week.

navy freshmen at George Williams. Physician's mate Fyffe and Will Wright were in charge of the inoculations at IIT, while physician's mate Newman handled the job at George Williams.

Only two "casualties" were reported. One unidentified apprentice seaman fainted following a vaccination, and another seaman suffered an unexpected mishap when *Technology News* photographer, Ed Johnston, took a flash picture of a group being vaccinated. The physician's mate jumped at the flash and left his hypodermic needle in the seaman's arm.

Here at IIT, all the shots were given during the half hour after inspection on Saturday afternoon.

Tau Beta Pi to Pledge Friday

Assembly to Feature Army, Navy Officers

A special assembly for the entire student body at Armour has been scheduled for Friday at 10 a.m. in the Student Union Auditorium. At this time Tau Beta Pi, national honorary engineering fraternity, will hold its pledging ceremony, during which the pledges are introduced to the student body.

Following the Tau Beta Pi pledging the officers of the army and navy units at Armour will be introduced to the civilians at IIT. Thus, they will meet Colonel Lee Sumner, Major George A. Hawkins and Captain George L. Hudson of the army along with Lt. Wayne Hamilton and Lt. Martin P. Anderson of the Navy. Colonel Sumner and Lt. Hamilton are the commanding officers of the army and navy units here.

After the officers have been introduced, Lt. Commander James W. Sours will relate some of his experiences in the Pacific. Commander Sours served as a medical officer during the battle of Guadalcanal, and had a ship shot out from under him during one of the naval engagements.

Dr. Cleveland Named Fellow

Doctor Forrest F. Cleveland, professor of physics, was recently honored with a fellowship in the American Physical Society.

The council of the society appoints as fellows those men who have made significant research contributions. Of a total of 4,240 members of the society, only 915 have been appointed fellows.

Dr. Cleveland, who is in charge of the physics laboratory work at IIT, has done research for a number of years on the structure of molecules, and has published several papers on this subject. Raman and infra-red spectra have been used extensively for this investigation.

Dr. Paul L. Copeland, professor of physics at IIT, is also a fellow of the A.P.S., having received his appointment last year.

Ruck Previews Term's Plans for Soph Class

The sophomores were given a preview of this term's activities by their president, Tom Ruck, at their meeting held last Friday. Emphasis was placed on social and athletic activities. Heading the list of activities are a dance to be held a week after Labor Day, and a beach affair whose date has not yet been announced.

A committee headed by Howard Cooper and consisting of Edward Rabin, Bill Parisoli and Marvin Quateman, was appointed by Ruck to investigate the possibility of acquiring sweaters for the sophomore class. Cooper invites any sophomore to submit designs for the class letter.

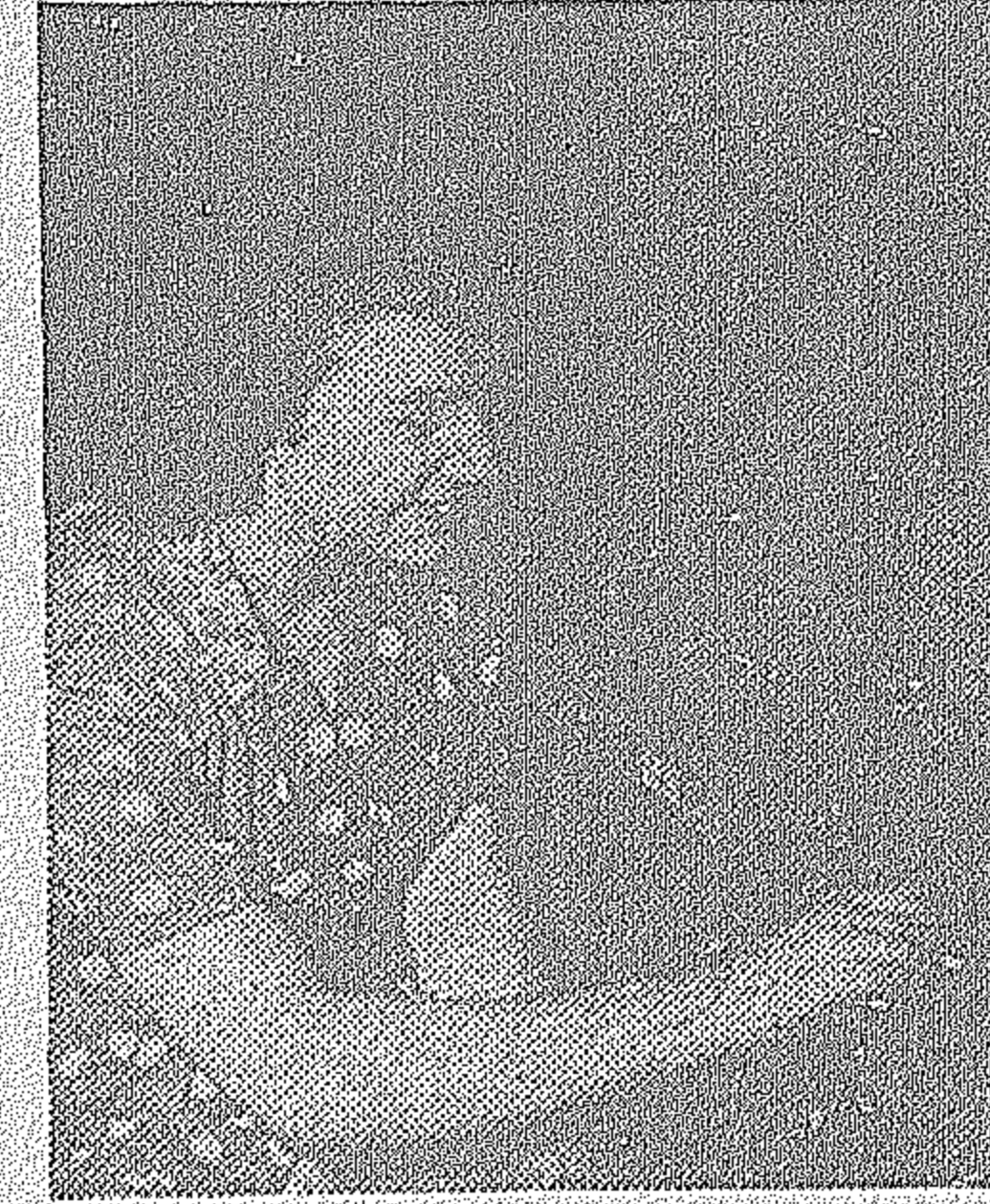
McMillan Elected Head Of Phi Lambda Upsilon

Donald McMillan will conduct the affairs of the Omicron Chapter of Phi Lambda Upsilon for the coming year, it was announced by the retiring president, Robert S. Kirk, last Friday. Phi Lambda Upsilon is the national honorary chemistry and chemical engineering fraternity.

Dr. Herbert I. Bernstein, professor of chemistry at Illinois Tech, was elected faculty advisor for the next two years, at the same meeting. Other officers include: Richard Larson, vice-president; Nat Stein, treasurer; and Patrick Columbo, secretary.

First Woman to Complete Pre-Radar Only Eighteen; Transmitter Study Next

Another 1st at IIT



Miss Delpha Jacobson of Walnut, Iowa, the first woman pre-radar graduate at IIT.

Eighteen-year-old Delpha Catherine Jacobsen, daughter of the postmaster at Walnut, Ia., was serving as secretary to her father when a signal corps bulletin came to her attention last fall.

She is now the first woman to complete pre-radar training at Illinois Tech, which has instructed 3304 men in pre-radar since the school's signal corps training was begun May 25, 1942.

The first signal corps girl graduate was honored, along with the 180 men in IIT's twelfth pre-radar class, at a graduation program Saturday afternoon in the Lewis auditorium.

While a high school student in Walnut, a town of 902 persons, she studied with an intention of teaching school. She also took a commercial course.

Miss Jacobsen participated in many high school activities, playing on the girls' basketball team and singing in the glee club for four years and taking part in dramatics for six years.

After finishing high school in 1942, she went to work as her father's secretary. And then came the signal corps bulletin, which she read with interest.

Miss Jacobsen enlisted in the signal corps last September and began a four months' mechanics learner course in October at Omaha, Neb. She later studied as a junior repairman at Des Moines, Ia., and entered pre-radar training at Illinois Tech May 19.

She will now be assigned to further study of transmitters and receivers. Upon completion of that training, she will probably receive an assignment to replace a man in signal corps work.

After the war Miss Jacobsen hopes to attend college. Her intention is to study one of two fields in which she is especially interested—aviation and surgery.

Navy Dance Band Begun

The navy has taken the lead in the musical field on the south campus. Last Friday, thirteen navy men gathered in the auditorium to form a dance band. Their first practice session brought favorable comment from onlooking students.

Jack Emery, leader of the band, stated that the objective of the band is to play at IIT dances.

The men comprising the group are: Jack Emery, leader; Lynn Luidenthaler, John Erickson, Julian Bowers, Ray Wells, Phil Rink, John Spaulding, Bill Stewart, Louis Long, Dave Liston, Joe Goodwin, Don Spaulding and Ralph Hennie.

Civilians Get Badges Soon

Distribution of badges for the civilian students at Armour will begin this week. This announcement, made by Dean Charles A. Tibbals, follows weeks of delay in their procurement.

Ed Johnston, a member of the badge committee appointed by ITSA last semester, stated that the time and place of distribution will be posted on the bulletin boards.

According to Dean Tibbals the delays were twofold, in that the actual badge could not be completed because of war priorities on some of the badge materials, and because of delays in the picture production. The badges will be delivered in lots of 200 with senior and junior badges being delivered first.

The company was reluctant to promise a definite time of delivery, Tibbals said, but they did indicate it would be sometime this week.

Before receiving their badges, students will be required to present their registration receipts.

Army Carries Its Discipline to Classes; Even Instructors Will Have to Conform

News Item: The army will retain its full discipline even while they are in school.

News Item: Instructors will be reported for being either late or absent from classes.

The inquisitive civilian might easily wonder about both.

As to the first, the army sections will be "marched at attention from their place of assembly to the class room or laboratory," according to the instructions given to section leaders last Friday.

There, too, the army demands exactness. After the trainees are seated, the section leader will inform the instructor that the class is present, or that certain of the members are absent, should that be the case.

Honoraries to Begin Pledging

Pledging of nine IIT honor fraternities will begin this week. Bill Parks, president of the Inter Honorary Fraternity Council, announced that the Council had allotted pledging periods to each fraternity.

Tau Beta Pi will pledge from Aug. 13 to Aug. 28.

Tau Omega, Aeronautical honorary, is scheduled to begin Sept. 10; and last for two weeks.

All other departmental honoraries will pledge from Aug. 29 to Sept. 10.

The radio and drama honoraries, the Rho Epsilon and the Gamma Theta respectively, begin Sept. 10 and will continue throughout the semester.

Honor I and the Pi Nu Epsilon, the sports and music fraternities, have already begun their pledging.

V-12 Forms Intrahouse Softball Tournament

An intrahouse softball tournament for Navy men has been formed. Opening games between House 1 and the House 2A team plus a House 3 and House 2B contest tonight at 6:30 will inaugurate the tourney.

Each house has at least one team while Houses #2 and #6 have two teams. The houses with two teams will be designated as 2A, 2B, 6A and 6B.

SIX
SIGNAL SCHOOL

(Continued from Page 1)
camps, relieving the necessity for privately operated schools.
Code school courses, offered on three levels, are: pre-radar code, radio technicians and mechanics code and high speed radio operators code. Students in the code school included enlisted soldiers and members of the Enlisted Reserve Corps.
Effectiveness of the code training was proved in June, when teams from the school won the code championship of the Sixth Service Command. They were victorious in four straight contests over American Television Laboratories and Coyne Electrical School, only other signal corps code schools in the area.

Following the graduation on Saturday of IIT's twelfth pre-radar class, enrollment in the signal corps program now totals 386. The remaining pre-radar students comprise two classes, which will be graduated on Sept. 4 and Oct. 2. Advanced students will finish their courses Aug. 21. A summary of the signal corps training follows:

Course	Graduated	Enrolled
Pre-Radar Training		
Pre-Radar	2214	216
Advanced Electronics	675	126
Ultra-High Frequency	416	44
Radio Operators School		
Pre-Radar Code	51	
Radio Technicians and Mechanics Code	145	
High Speed Radio Operators Code	450	
TOTALS	3951	386

ASTP TRAINING

(Continued from Page 1)
matics and English. One Mathematics instructor is Walter A. Peterhans, professor of visual training at the Art Institute. The remaining three are from the Lewis campus. They are Furio Alberti and Hugh J. Miser, Signal Corps instructors, and Phillip L. Browne, instructor of mathematics.

The English teachers are Helen Stevens and Mollie Cohen, instructors in English at Lewis; Robert A. Baker, instructor in German at Lewis, and B. E. Boothe.

Three instructors in history have been assigned. Professor John Larkin, the first, is the chairman of the political and social science department. The others are Vell B. Chamberlin, professor of economics, and D. Roy Mathews, professor of history.

Dr. George Gibson, professor of chemistry at Lewis, will have the chemistry lecture.

Geography will be taught by Edwin S. Cieslak, now an instructor in biology on the Lewis campus.

Bernard Weissman will be in charge of the physical education for the army students.

One or two more instructors may yet be assigned if they are needed. A few new teachers may be brought in also.

A special office will be provided for the instructors in the Armory where they will be available as faculty advisors to the army students. Some teachers will remain there full time.



AS I SEE IT

(Continued from Page 1)
busy to be just standing there if he weren't playing, so referring to the intramural story, our convictions were formed that the game was the Senior Mech, Civil affair, as Chet is a mech.

Hence the "legend" beneath the picture.

The true picture: Swan, catching for a frosh outfit in the scrub game; Parks, a reasonable facsimile serving to confuse the press.

"SLIPSTICK" HAS AROUSED a great deal of comment recently, it being called to our attention from several sources that the standard of the material found therein was offensive to good taste.

Unaware of any lapse in moral standards, the Managing Board felt it was merely carrying on the policy and tradition of "Slipstick" as handed down to us—as found to be agreeable to the greatest number of readers.

At first we ignored the accusations as being the complaints of a few, but when the demand for "cleaner jokes" grew louder we felt that we had better re-read the copies to see if we hadn't missed something.

It is not our policy to run filth in any of the columns, and if the jokes that make up "Slipstick" do not conform to good taste in your opinion, they do not belong there.

If "Slipstick" has become, as has been suggested to us by several students, so offensive that the paper cannot be taken home we wish you would tell us. "Slipstick" can and will be whatever you want it to be.

RED CROSS

(Continued from Page 1)
War Council will "gratefully accept" any army or navy volunteers, he added.

"Navy men, at least, can be counted on to do their part," Bob Burkhardt, V-12 secretary of the Council, promised, and to back up the statement he has organized each of the quarters into an individual unit responsible to one or more of its members. These men have been appointed to co-ordinate their houses with the work of the War Council, and are as follows:

Henry Brooks, House No. 1, Owen Kane, Ed Ashton, and McClelland, No. 2; Harry Anderson, No. 3, Ray Flood, No. 4; Bob Kalenian, No. 5; Tim O'Leary, No. 6.

Gillespie suggested that other organizations donate as a group also, as the names of the members will be placed on the board to be erected in the lobby of the Student Union as a group donation. All donors will have their names placed on it as they are received, however.

The lounge will be divided into three sections for the arrival of the unit. The first will be for the purpose of taking the blood count, blood pressure, pulse, and temperature of each donor. The second will house the cots for the actual donations, while the last will be to give the donor a chance to regain his "land legs" and to partake of the refreshments.

"Did you hear about the sailor who couldn't sleep?"
"No bunk."
V V V

"Mae was offered \$75.00 a week for wearing a small feather as her costume."
"Did she refuse to wear it?"
"Yes, now she's getting \$200.00 a week."
V V V

Doc: "I'd like to give you a thorough physical examination."
Young Lady: "Doctor Arnold examined me last week and said I was physically perfect."
Doc: "That's what he told me, too."
V V V

Prisoner: "I'm here for having three wives."
Guard: "How are you enjoying your liberty?"
V V V

Clerk: "What do your office duties embrace?"
Stenographer: "The boss."
V V V

Motorist: "Here's a dollar for the hen which I have just run over."
Farmer: "You better make it two bucks. There's a rooster that thought a lot of that hen and the shock might kill him, too."
V V V

A servant girl took this want ad in an army town: "Girl wants to work in a mess. Has been in one before."
V V V

Refusing to marry the young man she accused of being the father of her child, the Judge demanded an explanation.
"Ah don't know him well enough fo' dat," insisted the colored girl.
V V V

Mother: "Did your husband finally begin to enjoy his spinach?"
Daughter: "Oh sure, I am soaking it in gin."
V V V

Young Lady: "Is it bad form for a girl to wear a bathrobe over her bathing suit?"
Life Guard: "If it weren't for bad form she wouldn't have to wear one."
V V V

Steve: "Do you believe that tight clothes stop circulation?"
Henry: "Not with a woman. The tighter the clothes the more she is in circulation."
V V V

Dumbell Pome
Butter is butter
Cheese is cheese
What's a kiss without a squeeze
V V V

Doctor: "Do you know that women have poorer eye-sight than men?"
Interne: "I know; my girl can't see me at all."
V V V

Wife: "Did you see those men staring at that girl as she got on the train?"
Husband: "What men?"
V V V

WORST JOKES I EVER HEARD
"It's raining cats and dogs outside."
"I know—I just stepped on a poodle."
Have you heard about the baby kangaroo? He ran off and left his mother holding the bag.
"I thought the doctor told you to stop all drinks."
"Well, what of it? You don't see any gettin' past me, do you?"
V V V

SALIOR: "I love you. Will you be my wife?"
SHE: "You must see Mother first."
SAILOR: "I have, but I'll marry you just the same."
V V V

A shavetail tripped and fell in front of a truck but a buck private pulled him out of the way just in time. The thankful shavetail gripped the private's hand in gratitude and exclaimed, "I will thank you before the whole company in the morning. I'll tell 'em how you saved my life."
"For Gawd's sake, lieutenant, don't do that," cried the worried buck. "None of my buddies would ever speak to me again."
V V V

Sally complains that the new sergeant who boasted he could read women like a book, uses the Braille system.
"Where's the hostess?" asked the Colonel as he entered the recreation hall.
"I think she's 'round behind'," said the draftee.
"I know that," said the Colonel, "but where is she?"
V V V

Faculty Criticism by Student Shows Excellent Spirit

(Continued from Page 1)
acquired by effort on the part of the one being educated.

Schools do not hand out education; they provide facilities by means of which one can more easily add to his education.

One may become well educated without attending school but the endeavor is likely to be extended in time, accompanied by many mistakes and slowed down by frequent difficulties.

Schools stimulate and speed up the process, prevent many mistakes and help in overcoming difficulties, all with the object of enabling the students to acquire information PLUS ability to use that information. But the schools do not give an education—the students must go and get it!

Sincerely yours,
E. H. Freeman,
Professor of Electrical Engineering

(Continued from Page 1)
There are two common kinds of poor reactions on the part of the students. First, they often do not realize the fact that their preparedness in the prerequisites is not satisfactory, and they are not taking the trouble to "brush up the gaps." Sometimes, it is quite a tedious task to fall back on a review of the necessary mathematical tools or graphical methods, faded away but justly assumed known by the instructor.

Second, it often happens that the student does not take enough time out to study the assigned text material in advance. He wrongly assumes that it will be enough to sit in on the class without any preparation which certainly should not be the case.

Sincerely yours,
A. T. Balint,
Technical Drawing Department

(Continued from Page 1)
Perhaps too much emphasis is placed by students upon the assumption that the process of being taught and the process of learning are synonymous, whereas in fact they are two distinct procedures. A good teacher is not necessarily a guarantee of success for the student.

No teacher, regardless of ability, can make a student learn unless the student wants to learn and has the discipline and determination to teach himself. Self-education is, in the final analysis, the ideal.

This letter is not meant as an apology or justification for poor teaching, but only a reminder to all who read the editorial that there are other sides to be considered. Nor is it intended as a reproach to students who are interested in being well taught. Their interest is laudable.
Sincerely yours,
Edgeley W. Todd
Dept. of Language and Literature

Queen of Integral to Be Selected by Staff; Winner Will Receive Scroll

Today marks the opening of the contest to select the Queen of the Integral. This was announced by the management of the Integral in pursuance of the precedent set in its last issue.

The purpose of the contest is to select the most beautiful girl from the photographs submitted by the student body. The winner will be designated as Queen of the Integral and a whole page of that book will be dedicated to her. As further reward, she will be given a special edition of the Integral, along with an engraved scroll telling of her appointment.

The three runner-ups to the Queen will be picked as her ladies-in-waiting. Any girl is eligible in the contest, the only condition being that the man who submits her picture must be able to escort her to the dance at which she will be introduced. The dance is to be held at some time during the next semester. The photographs will be judged by the editorial staff of the Integral assisted by Marshall Studios. All photographs must be at least 5x7 in size and should be submitted in the Integral office, 4th floor Chapin. The closing date of the contest is Sept. 1.

Fifty-seven Freshman Engineers Enrolled in Lewis Institute Classes

Although most of the engineering courses at IIT are taught on the south side campus, the freshmen engineers, totaling 57, are the largest specific group on the west side campus, according to the latest figures from the west side registration office.

There are 63 students enrolled in general or unspecific arts and science courses. Next to the engineers, the specific group to have the greatest number is the chemical, totaling 36.

Home economics enrollment shows a figure of 31 persons, while biology has 16.

ITSA Awards All School Social Committee \$1,300; Navy, Lewis, Armour to Be Represented on Board

The All School Social Committee was incorporated into the by-laws of the ITSA constitution and has been awarded \$1,300 by the ITSA board. The money will be used to carry on its social program during the coming year, chairman Mike Coccia announced last week.

Dean Charles A. Tibbals was appointed advisor to the committee which will work in conjunction with the ITSA to plan and execute all social affairs carried on by organization. All School Social Comm. Cont. tions at IIT.

One of the plans of the committee is to start a date bureau after they become organized.

Chairman Mike Coccia announced that there will be representatives from both campuses and from the navy. He urged them to attend the next meeting on Wednesday, August 11, at 5 p.m. in the east dining room of the Student Union Building. Other notices of meetings will be posted in advance, Coccia stated.

After the ASSC becomes well organized it will open its meetings to all the students and anyone wishing to set specified dates for social affairs will have a chance to voice his opinion.

The ASSC will be located in the ITSA office.