

by DICK LARSON

EVEN THOUGH you've been here only a week, you newcomers to IIT have, in all probability, heard the ITSA mentioned at some time. If you're a Navy man, you've been asked to pay good money to join it, and if you aren't, you haven't been asked; you have already paid good money to join it.

What is it, then, besides something resembling the call letters of a radio station, and why are you being urged to participate actively in its affairs at this early date?

Primarily it's because the ITSA is the student governing body at IIT, and its actions and policies will affect you as an IIT student and because the primary election to decide the officers and representatives of your governing body is being held this Friday.

FOR A COMPLETE PICTURE of the functions performed by the ITSA we refer you to the Activities Handbook, which was itself an ITSA sponsored publication. Even a brief glimpse will show you that it budgets and distributes all money necessary for the conducting of student activities. It also conducts all class elections, appoints the governing board of the Student Union, is responsible for all intramural activity, and acts as a clearing house for IIT organization or student problems.

The latter function was attested most recently by the removal of the proposed locker fee when irate students aired their opinions at the meeting last Tuesday.

MEMBERSHIP IN THE BODY is a prerequisite to voting as well as to filling an office, and all offices are open to re-election at the present time with one exception. That office is the presidency, and it immediately raises the question "why?" The answer to this requires a short dive into ITSA history.

Prior to April, 1942, the ITSA Constitution provided for an election of a first vice-president in his sophomore year. He retained this office through the succeeding term, then automatically assumed the presidency in his senior year.

At that time, however, it was felt that the period between election and ascension to office was unduly long, and an amendment was passed which provided for election of the president at the end of his junior year. As this amendment does not become effective until next February, the present president, Harry Anderson, retains his position as the last president under the old system.

IT SHOULD BE obvious that for your well being you must select men who will actively represent you during the forthcoming term if the ITSA is to function properly according to your way of thinking; which all boils down to this:

You can only have a strong student government when it is the integrated effort of every person who will be governed by it, and this will not be done until you take a responsible attitude towards its affairs yourself.

No one will laugh at you when you stop to rest if you've got a man-sized load on your back. Your student government should be part of that load.

Honor Board Elections Scheduled for July 23; Two Faculty Advisors To Be Appointed Also

The election of new members for the IIT Honor Board will be held Friday, July 23.

Eight student representatives, including one freshman and one sophomore, will be chosen by the student body at that time.

A special meeting of the present members of the Board will be held this week to determine the details of the voting procedure. It has not yet been determined whether the men will be elected to represent the classes or the departments of the

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Navy Takes on Chow



The cafeteria at Armour serves as messhall for the Navy V-12 trainees.

Navy Stations 691 Seamen At IIT 146 Former IIT Students Included

George Williams Houses 263 Navy Freshmen
30 States Represented; 14 from U. of Idaho

The navy has dropped anchor on the shores of IIT. A crew of 691 apprentice seamen have taken to the shore in order to garnish themselves with a bit of higher learning.

These men, who came speaking a strange incomprehensible language called navy lingo, have been divided into two groups. All of the navy freshmen have been stationed at George Williams College, where they have taken over a part of the men's dormitory. These freshmen, 263 in number, will receive their preliminary engineering work there, and will later come to the institute.

The remaining 428 students are stationed at the institute where they have taken over five of the fraternity houses.

Included in the group of Navy

(See NAVY on Page 2)

Juniors, Seniors To Get Lockers

No Locker Fee Charge
Rules ITSA Committee

Only juniors and seniors are to have the use of the lockers in the basement of the Main Building and no fee will be charged, it has been announced this week by Bill Parks, chairman of the special committee appointed by ITSA, in an effort to clear the locker situation.

Registration for the lockers will be held Tuesday, July 13, from 9 a.m. to 5 p.m. in the ITSA office in Chapin Hall. Civilian and navy upperclassmen will register two for a locker and should have a lock in

(See LOCKERS on Page 2)

Institute.

Following the election the new Board will appoint two faculty members to act as advisors for the organization. They will act only in an advisory capacity; only the students on the Board will be privileged to vote on matters brought before the group.

The Honor Board was organized last September in conjunction with the honor system. The duty of the Board is to judge cases of honor system violations by the students.

Students To Elect 36 Officers; July 16 Date For ITSA Election

Freshmen Election to Be Only Temporary;
Anderson to Hold Office Until February

IIT students will elect thirty-six men to represent them in their governing bodies at the primary elections Friday, July 16.

This election, to be conducted between 9 a.m. and 2:30 p.m., will be one of the largest in the history of the Institute, as the primary elections for officers to govern the Illinois Tech Student Association, the Student Union Board, and each of the classes will be conducted at the same time. The final election will be held on Friday, July 23.

\$33,210 Spent For Remodeling

School Prepares for
Arrival of Navy Men

More than \$33,210 has been spent for campus remodeling during the last two months, approximately \$21,960 of which was in the preparation for the arrival of the Navy, it has been estimated by W. J. Parduhn, superintendent of buildings and grounds for Illinois Tech.

The building program has included Navy executive and medical offices, complete redecoration of the five fraternity houses, and the Institute graduate house, which are now Navy barracks on Michigan Avenue, a new modern kitchen, redecoration of classrooms in Chapin Hall, remodeling of the Electrical Engineering laboratory in the main building, improvement of the faculty parking lot and the landscaping program.

Largest feature of the redecoration program has been the \$15,000 kitchen, which when completed will be used to feed the 428 Navy men at IIT. The kitchen was designed by IIT's own professors, Alfred L. Mell, assistant professor of architectural design. A refrigerator room, valued at \$1,100, will be an added facility. New equipment will include an electric dishwasher and potato peelers, cabinets and work board space.

Once six social fraternity houses, the barracks which house 428 navy men, have received the greatest amount of remodeling, according to Mr. Parduhn. Fifteen additional workmen were hired to do the job, and the complete houses were transformed from fraternity houses to navy living quarters. Four-hundred electrical fixtures for hall lights and study lamps were added to the number already in the houses. An additional fire escape ladder was built on each barrack. Three thousand

(See REMODELING on Page 2)

1726 Students Begin "Fall" Term in July; V-12 Trainees Number 691; Lewis Has 195

It was September in July for 1726 students who returned to the classrooms at Illinois Tech Tuesday to begin the "fall" term under the wartime round-the-calendar schedule.

Eight hundred and forty are regular students studying on the south side campus and 691 are Navy V-12 trainees. In addition there are 195 other civilian students who are studying on the west side campus.

The technological war in which the nation is involved is reflected in the enrollment, as 1632 of the 1726 students are engineering and science majors. These 1632 include all 691 Navy men plus 941 civilians.

The regular students include: 220 seniors, 157 juniors, 253 sophomores, and 405 freshmen.

That women do have a place in the engineering field is evidenced in the freshman registration this year. Doris Jane Meller, second semester

freshman, and Bettyann Dettterbeck, first semester freshman, enrolled in the mechanical engineering department.

This summer term, an innovation at the Institute this year, is the first term of the school's round-the-calendar program. Illinois Tech adopted the program to accelerate the training of technological personnel and to coordinate the regular civilian training with that of the Navy.

Young Receives Award For Paper On Welding Design

Sheldon E. Young, IIT civil engineering senior, recently received a \$25 prize from the James F. Lincoln Arc Welding Foundation of Cleveland, Ohio. The award was given on the basis of a paper which he wrote on the advantages of welded over riveted design.

All nominations, with the exception of the freshman, will be in the form of signed petitions, and will not be accepted after five o'clock on Wednesday, July 14. The petitions must contain the signatures of at least twenty-five class members to be placed on the ballot, and must be placed in the ITSA box in the bookstore letter rack or in the hands of one of the present members.

The freshmen will elect temporary class officers by a show of hands at a mass meeting in the auditorium of the Student Union. The meeting will be conducted by Milt Burkart, chairman of the Freshman Advisory Committee, at a meeting at 12 noon on Friday. Permanent officers will probably not be elected until the George Williams freshmen come to this campus next semester, according to ITSA president Harry Anderson.

The ITSA officers to be elected include a first vice-president and a secretary, chosen by the students at large from the junior class, a vice-president, elected by the Junior class, and a representative from both the freshman and sophomore classes.

There will be no election for president, as Harry Anderson will continue in office; the last president elected under a system of election that has since been superceded. Inasmuch as there is technically no longer a co-op class, there will be

(See ELECTION on Page 2)

Lippert Lists Cafeteria Hours

Lunch Plan Includes
Two Civilian Periods

The lunchroom was scheduled to open its doors to civilian students at 8:30 this morning, according to an announcement made by Miss Vivian Lippert last Friday.

Miss Lippert also stated that the entire lunchroom will be open from 8:30 to 11:30 and from 2:30 to 5:30, and added that sandwiches, coffee, milk, and dessert will be served at the north end of the lunchroom from 11:30 to 2:30. The menu will include regular plate lunches as soon as the new addition to the cafeteria kitchen is completed.

Bernard 'Sonny' Weissman, manager of the Student Union Building, also announced Friday that plans for the complete redecoration of the student lounge are now underway. The plans include replacement of furniture and rugs, as well as the installation of a juke box.

At the present, the lounge is being used by the navy to store equipment and clothing. As soon as this material can be issued or disposed of, the re-decoration will begin.

Weissman also plans to begin construction on a cloak room for the Student Union since the room formerly used for checking coats is now being used by the navy as a store room.

War Priorities Delay Badges; Civilian Photos Are Completed

Add Something New Coop Store Appoints D. Ludgin Manager

Something new has been added to the Coop Bookstore. That something new is Miss Donna Ludgin, a graduate of Hyde Park High School, who has taken over the duties of manager. Miss Ludgin will be at the bookstore from 9 a.m. to 5 p.m. daily.

Although the Coop Bookstore now has a manager, it still has no president. However, on next Friday, the 16th, an open meeting of the Coop will be held to elect a president. The meeting place will be posted on the Main and Student Union bulletin boards.

This week the bookstore will welcome its members with an 8 per cent dividend on last semester's books and supplies. Students need not bring receipts for purchases but should bring their membership certificates when collecting dividends.

When questioned on the Coop book shortage, Ulysses Backas, Coop adviser explained that shipping difficulties and a shortage of many types of textbooks were responsible for the difficulty.

IIT Abandons Signal School

Illinois Institute of Technology's radio operators school, which has trained 665 signal corps men in code and radio procedure since last October, closed its doors July 31.

Code instruction for signal corps men has been taken over by United States Army camps, relieving the necessity for privately operated schools, Dr. Jesse E. Hobson, director of signal corps training at Illinois Tech, explained.

The Illinois Tech radio operators school, which is located in the Northern Illinois College of Optometry at 42nd and Drexel, was established in October, 1942. Since that time, ten classes of enlisted men, totaling 450, have completed the advanced high speed radio operators course; 164 enlisted reserve corps men have been trained as radio technicians; and 51 enlisted men have finished the pre-radar course.

The code school's equipment, valued at more than \$25,000, will be moved to Illinois Tech's west campus, 1951 West Madison Street, where more advanced signal corps courses are conducted. A code room large enough to accommodate 100 students will be established here and code instruction will be given on a voluntary basis to signal corps trainees in radio and electrical engineering.

Several code school staff members will also be transferred to the west campus to continue their work in the Illinois Tech signal corps program.

Although a majority of the code school students will have completed their training by July 31, a group of 21 enlisted reserve men may be transferred to the west campus for completion of their course.

Lockers

(Continued from Page 1)

their possession so that they may claim the locker immediately. Sophomores and freshmen as in previous years, will not be able to register for a locker.

Considerable confusion about the lockers was cleared when protesting students made it necessary for ITSA to handle the situation. The new administrative plan, which was not adopted by the association, was to have allowed all students, freshman through seniors, to have lockers and to have charged a \$1 fee for this privilege; fifty cents per person.

War priorities have dealt another blow to IIT as civilian students await the arrival of identification badges. Although the badges were ordered promptly following ITSA authorization, the demand by war industries for such identification has placed the IIT order on the waiting list.

Actual photographing of all civilian students has been completed and the proofs of the pictures, which will appear on the identification badges, have been made and sent to the manufacturer. War priority again places IIT on the waiting list so that a definite arrival of the badges is unknown.

The pins will be round and the same size as those now worn by members of the Research Foundation staff. Around the edge of the badge will appear the caption "Illinois Tech Engineer." Every pin will carry each student's registration number as it appears on his photograph. This number will not be duplicated on the pin.

The photographing of students during registration was directed by Howard E. Smith of the Visual Education Laboratory on the west campus, although the pictures were taken in the student union of the south campus. About 600 students were photographed.

According to Dean Charles Austin Tibbals, students who failed to get their pictures taken at the regular scheduled time may still make arrangements with him for the photographers.

Technology News Adopts Circulation Plan; Will Provide for Its Subscribers Only

That new students and apprentice seamen of Illinois Tech may become better acquainted with the "news and views" of the campus, Technology News, the official student body newspaper, is distributed free today.

The courtesy, which is the contribution of the managing board of the paper, will also extend through next week.

Following the first two free pa-

New Machines Given to ME'S

Two gifts, valued at approximately \$1000, are being presented to Illinois Tech's mechanical engineering department this week, it was announced today by John I. Yellott, head of the department.

The gifts, Laboratory equipment, are much more important than their monetary value might indicate according to Prof. Yellott, because at least one of them is irreplaceable for the duration.

An oil furnace and a welding machine are the two gifts.

The furnace, a late model heating unit valued at more than \$500, is being presented by a Detroit engineering equipment firm. A Milwaukee manufacturing company is giving the welding machine, valued at more than \$300.

Election

(Continued from Page 1)

no election of co-op representatives at this time.

In addition, a president, vice-president, secretary, treasurer, social chairman, and a Student Union Representative will be elected from each of the classes, with the exception of the senior class, which will elect four additional officers. These men will be taken from the October graduating class for the purpose of arranging for the necessary senior committees. They will be elected at a special meeting at 5 p.m. tonight.

Remodeling

(Continued from Page 1)

four hundred dollars was spent in installing water and shower fixtures, and all doors, windows and screens were repaired. A flag pole was erected on the corner of 33rd and Michigan Avenue and a barber shop, where all 691 navy men obtain their haircuts, was installed in the basement of the graduate house, 3254 South Michigan.

The three Navy executive offices now stand where IIT students used to play ping pong in the student union, and the medical offices for the fleet have been built under the west balcony of the auditorium in the same building.

Fluorescent lighting will aid electrical engineering students after the completion of the general circuits laboratory. The redecoration of this laboratory has also been designed by Prof. Mell. New work benches, electrical equipment and linoleum flooring will complete the remodeling.

The faculty parking lot south of the main building has been re-graveled, and from \$3000 to \$4000 worth of shrubbery and trees have added to IIT landscaping.

In order to meet increases in enrollment in welding, the present welding shop will be enlarged and new offices for mechanical engineering will be built. Twenty-two classrooms in Chapin Hall have been redecorated and new 12-foot blackboards installed.

During July, offices for Dean Tibbals will be built opposite the Navy executive offices in the student union building and remodeling will begin to accommodate the 500 army students who will report to IIT on August 1.

pers, however, all other issues will be distributed to only the members of the Illinois Tech Student Association.

Civilian students, by virtue of their having joined the association at registration, will automatically receive the later editions. Apprentice seamen on the south campus and at George Williams, Signal Corps men, and students in the war training program of the Institute will be given the opportunity to join the association.

Circulation of the paper will be under the direction of Ulysses Backas, electrical engineering student.

According to Backas, papers on the south side campus will be distributed to students wearing Illinois Tech badges or carrying proper identification in the lobby of Main. The paper will be available between 1 and 4 p.m. On the west side campus, Illinois Tech students will receive their papers from the business office. Papers on this campus will be available after 2 p.m. each Monday.

Complete arrangements for the distribution of Technology News on the other campuses of the Institute will be announced later when the number of subscriptions is determined.

Blanke, Winkelman Retired After More Than 30 Years

Lewis' "first lady," Miss Marie Blanke, who came to the Institute upon its establishment in 1895, and Miss Laura Winkelman, who has taught 31 years on the west side campus, were appointed professors emeritus of Illinois Institute of Technology, it was announced today by President Henry T. Heald.

The honorary titles were granted the Misses Blanke and Winkelman by the board of trustees following the retirement of the two women staff members this week.

Miss Blanke, who was the last woman teaching from the original Lewis staff, concludes her 48th year of active service. She was assistant professor of applied arts. Miss Winkelman has been associated with the

ITSA MINUTES

The first meeting of the summer semester opened at 2:15 p.m. on July 6, 1943: President Harry Anderson presiding, Dean Tibbals, Dean Peoples, Dean Clarke, Mr. Weissman, Mr. Spaeth, Dr. Kepner and Lt. Anderson of the administration, faculty and Navy were present. Warren Furst, Ed Hemzacek, Ray Tubergen, Earl Mills, Lou Wengel and Harry Gillespie of the Board were present; also 35 members of the student body.

The first topic of discussion was the status of the Navy V-12 students, and their privileges and duties. The following items were discussed and established: that:

- (1) all Navy students should receive Technology News and Engineer and Alumnus.
- (2) the Navy is paying for half the cost of the Student Union and the cafeteria.
- (3) The Student Union will be returned to the students after repairs are completed.
- (4) fifty per cent of the space in the cafeteria will be returned to the students when the addition to the kitchen is completed.
- (5) the Administration reduced the Student Union fee 33% although the Navy is using about 75% of the building, due to the fact that there is still a debt to be retired. The Administration asked that all students cooperate in this matter. This last point was elaborated upon by Lt. Anderson and Dean Tibbals when it was revealed that 400 Navy students will carry half the burden of Student Union costs, and remaining half will be carried by the 900 civilian students.

Dean Tibbals named, Tubergen seconded, that the V-12 students be asked no Student Union fee. Motion carried.

After a brief resume by Lt. Anderson of the spare time of all Navy students, Dean Tibbals suggested that we invite all Navy students to join the ITSA. Earl Mills moved, Mr. Spaeth seconded, that the membership fee for Navy V-12 students be set at \$5, including all privileges of ITSA. Motion carried.

Mr. Spaeth gave a report which showed that the ITSA budget will, in all probability, be cut in half this year, due to the drop in enrollment. Anderson appointed Mr. Schommer and Mr. Spaeth to the budget committee.

Lt. Anderson made an appeal to all IIT students to make the V-12 students an integral part of Illinois Tech.

The problems of elections were brought before the Board as the next order of business. Earl Mills moved and Ray Tubergen seconded that the Honor Board election be postponed until such time as the Honor Board shall bring forward a system for electing members to the Board. Motion carried. All of the ITSA officers' terms expire at this time, except for Harry Anderson as president and Lou Wengel as a representative. A discussion followed on the size of the Board of Control.

Harry Anderson appointed Earl Mills, Ray Tubergen, Harry Gillespie and Dean Tibbals to work with him on the election committee.

The locker problem was brought up and the Administration, through Mr. Spaeth, agreed to drop the locker fee that had been imposed. Bill Parks, Cliff Oliver, and Lou Wengel were appointed as a committee to assign, or have lockers assigned, properly to students in the junior and senior classes only.

Ray Tubergen moved, and Lou Wengel seconded, that Dean Tibbals be appointed as Armour faculty representative for the ITSA Board for the next two terms (one school year). Motion carried.

Harry Anderson appointed Earl Mills and Ray Tubergen as a committee to work with him in order to incorporate the All School Social Committee as a by-law to the Constitution.

Earl Mills moved, Ray Tubergen seconded, that Cliff Oliver be appointed intramural manager for the next year (two semesters). Motion carried.

Earl Mills moved, Mr. Weissman seconded, that additional funds necessary to cover the cost of the Activities Handbook be appropriated by the Board. Motion carried.

Dean Tibbals Elected To IIT Governing Body

Dean Charles A. Tibbals was elected a member of the ITSA at its last meeting, Tuesday, July 6. Dean Tibbals is taking the position formerly occupied by Professor Phil C. Huntly, and will serve for two semesters.

ITSA president, Harry Anderson, stated that the dean had been elected to the position in order that his close association with the students could be utilized. Dean Tibbals, who returned to school last semester following an illness, is acting as dean of students.

home economics department since her original appointment in 1911.

A noted Chicago artist, Miss Blanke has exhibited her own work in numerous exhibits sponsored by art associations of the city. Her last showing of oil landscape paintings of Illinois scenes was held last March at the Cordon club.

She has also been a frequent contributor to the exhibits by Chicago artists at the Art Institute. In 1940 one of her paintings was purchased by the Commission for the Encouragement of Local Art.

In the home economics department, Miss Winkelman was a specialist in the teaching of food, nutrition, clothing, textiles, and industrial management.

Navy

(Continued from Page 1)

men studying at Illinois Tech are 146 men who last term were regular students of Illinois Tech and who now, having been called to active duty in the Navy, are assigned back to their own school. The Navy will now pay their tuition and fees and board and room and pay them \$50 a month to attend school.

Harry Anderson, Kalispell, Mont., the student body president at Illinois Tech, is in this group.

After two years and four months of active sea duty in the Atlantic and Mediterranean, Joseph Waldvogel, 5637 North Tatum Avenue, a former Illinois Tech man, is back on his home campus. There's a monetary sacrifice involved for him in his return to college; prior to reporting to Illinois Tech, he was a quarter-master second-class drawing \$120 a month; now he is an apprentice seaman, the rank given to all students, at \$50 a month.

Waldvogel is one of 32 Navy men being transferred to Illinois Tech from Navy duty rather than from a college enlisted reserve status. Some of these bluejackets took the qualifying educational tests on ship, others at naval training stations.

Largest group of students from a school other than Illinois Tech are the 41 transferred from Tri-State, Angola, Ind., by the Navy. Other large contingents include: 36 from Fenn College, Cleveland; 32 from Lawrence Institute of Technology, Detroit; and 28 from Wayne University, Detroit.

Large groups coming from a great distance include 14 sent from the University of Idaho, Moscow, and six from the University of Utah, Salt Lake City.

Among the other universities and colleges represented are the U.S. Naval Academy, Carnegie Institute of Technology, Purdue, Texas A. & M., Georgia Tech, Cornell, Chicago and numerous state universities.

The wide area from which the Navy men sent to Illinois Tech come is evidenced by the fact that the 30 states which they represent include 18 of the boundary states of the union, which beginning with Washington are California, Texas, Louisiana, Alabama, Florida, Georgia, Virginia, New Jersey, New York, Rhode Island, Ohio, Michigan, Wisconsin, Minnesota, North Dakota, Montana and Idaho.

Reveille rouses these tars in their new home at Illinois Tech at the crack of dawn, 5:45 a.m. At 6:00 o'clock they start a twenty minute calisthenics period. From then until chow time, which starts at 7:00 o'clock, they are left to clean their rooms and make their bunks. The time after that until the evening is their own. At 7:00 a study period is begun which lasts until 10:00 o'clock, at which time they must make ready to hit their bunks. Anyone wishing to study later may do so with the permission of the head of the house.

The sailors will be allowed leave on two week-ends of every month. On the other two week-ends they will have to stand watch on either Saturday or Sunday, but will be able to take off on their free day. Those who have leave on both days will be off from one o'clock Saturday until ten o'clock on Sunday night.

Augustana Grad Wins Research Fellowship

Virginia Penniston, summa cum laude graduate at Augustana College this June, has been selected winner of the fellowship presented to Illinois Tech by the Emulsol Corporation, according to an announcement made today by Dr. Leslie R. Hedrick, associate professor of biology.

Under the terms of the fellowship, Miss Penniston will do research work on the effects of soap in reducing the bacterial contamination of egg-dehydrating plants as well as the regular work leading toward her master's degree in biology.

Welcome Navy—

Illinois Tech Is Leader in Many Fields

Formed in '40 By Merger Of 2 Colleges

Armour and Lewis Are Now Divisions Of New School

Like Gargantua, Illinois Institute of Technology was huge at birth.

Created in June, 1940, by the consolidation of Armour and Lewis institutes—two Chicago colleges each with a record of nearly half a century of service, Illinois Tech became at once one of the nation's largest engineering colleges. It had enrolled more engineering students than any other college in the nation.

First action of the new Institute was to concentrate the work in engineering on its south campus, 3300 Federal, what had been Armour, and to perpetuate the Armour name by calling it Armour College of Engineering, and to organize the study of arts and sciences on the west campus, 1951 W. Madison, what had been Lewis, likewise perpetuating this name by calling it Lewis Institute of Arts and Sciences.

Also plans were made to consolidate all the activities on one campus, as soon as it could be built. Enlargement of the south campus property for the site of this new campus was begun, and the Institute now owns all the property between 32nd and 34th streets and between State Street and the Rock Island-New York Central right of way. More than half the funds necessary to build the \$3,100,000 campus development were raised.

And then came Pearl Harbor and a technological war—and Illinois Tech was forced to postpone these new campus plans for the duration. However, work on the first unit of the new campus had already begun, and last January the quarter-of-a-million dollar Metals and Minerals Research Building at the corner of 34th and Federal streets was dedicated and stands as visible evidence of the beautiful, modern, functional campus that is to come.

After Pearl Harbor, Illinois Tech, a peacetime giant became a mighty Hercules of war, performing dozens of important war tasks. As vital a task was the training of engineers, Illinois Tech felt that it could do this job and more.

In addition to its regular educational program, Illinois Tech now performs many other tasks.

Illinois Tech now operates the largest wartraining program in a single city in the nation—and the largest at a privately operated college. More than 35,000 persons have been enrolled in ESMWT courses, 28,000 of them since Pearl Harbor.

The firsts, largests, and greatestests that Illinois Tech has achieved in war training are legion. One of the most notable is the fact that the Institute was the first college in the nation to train women for specific, technical war jobs, and more than 1000 have been trained in the past year.

Illinois Tech also conducts the largest and most advanced Signal Corps training program in the Sixth Service Command. It has trained more than 5000 men for the Signal Corps in the past year.

For the Safety and Security Branch, Office of the Chief of Ordnance, U. S. War Department, Illinois Tech organized and administers the "explosives safety school," formally known as the school for safety auditors. More than 500 persons have been trained at this school and have been sent to handle affairs of safety

(See LEADER on Page 1)

Armour Research Foundation Is "Million Dollar Baby" at IIT

In September of 1936 there came into being in Chicago a "baby" that was unique in the Midwest.

That "baby," the Armour Research Foundation at Illinois Institute of Technology, now in its seventh year of growth, is no longer in swaddling clothes. An industrial research institute, the Foundation through its growth has proved that there was a need for such an organization in the Chicago area.

Starting with three staff members, a budget of \$35,000, and a working space of three rooms, the Foundation has grown until it now has a staff of more than 200 and a budget of more than a million dollars. The Metals and Minerals Research Building, which is being occupied today, will be the fourth building that it now occupies.

Founded "to render a research and experimental engineering service to industry," the Foundation has more than lived up to its purpose—a fact that can be proved by cold statistics taken from the records of its "infant" years.

In the past—and first—six years of the Foundation, 1300 companies, associations of manufacturers, and individuals have utilized the facilities of the Foundation in 4000 long and short term projects. The Armour

Research Foundation is one of the largest institutions of its kind in the nation, and in many respects it is the largest organization of its kind in the United States.

Research organizations unique

Research at the Foundation differs from that normally done at educational institutions in that it is private research and not fundamental research. Results of the research are the exclusive property of the sponsors of projects.

An incorporated non-profit institution, the Foundation exists for the sole purpose of serving business and industry, which is in keeping with the whole idea behind "Technology Center," which Illinois Institute of Technology is building for Chicago and the Midwest.

Much of the credit for the phenomenal success and growth of the Armour Research Foundation is due to the "Armour Plan for Research," a unique method employed exclusively at the Chicago Foundation.

The Foundation's director, Harold Vagtberg, is its presiding genius. Aiding Mr. Vagtberg in the multitudinous tasks of directing such an intricate and large organization is its assistant director, Dr. Francis W. Godwin. Their desks are the cross roads from which emanate or-

ders that create the sparks of which industry and scientific research are anode and cathode.

Sections headed by experts

For purposes of organization, the Foundation's activities are classified into four broad sections and each section is headed by a noted American research expert. The sections and their chairmen include: Chemical engineering, Dr. M. H. Heeren; engineering mechanics, Dr. C. O. Dohrenwend; metallurgy, Dr. R. G. Spencer; and physics, Dr. G. E. Ziegler.

All scientific work is co-ordinated by the Foundation's scientific director, Dr. Thomas C. Poulter, whose supervision of the famed Foundation-built giant "Snow Cruiser" of the Byrd Antarctic Expedition has been, perhaps, the most spectacular page in the Foundation's brief history.

The actual daily, weekly, monthly and yearly accomplishments that justify the Foundation as an institution and determine its peculiar character are found in its record of service.

Two classifications of work

Scientific research and experimental engineering are the two broad classifications of work at the Foundation. The former, in its industrial ramifications, claims the major activity of the organization. The Foundation is particularly equipped to

(See ARMOUR on Page 8)

285 Seamen To Join ITSA

Two hundred and eighty-five Naval V-12 students joined the Illinois Tech Student Association and promised to pay the student activity fee as soon as their first month's check came through. This occurred in a "get acquainted" meeting held in the Union Auditorium last Friday evening.

The initial example was set for the seamen when Lt. j.g. Martin P. Anderson asked the president of the ITSA, Harry Anderson, to accept his check covering the \$5.00 fee.

JAYS POTATO CHIPS

Special Foods
4052 S. Princeton
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3 Officers, 4 Chief Specialists To Direct Naval V-12 Program

To command the Navy V-12 program at Illinois Tech, five officers, four chief specialists, three yeomen, one storekeeper and four pharmacist mates have been stationed at the Institute.

Lieut. W. A. Hamilton of Tampa, Florida, will be the naval officer in charge of the 691 men training on the south side campus and at George Williams College. In peacetime, Lt. Hamilton was chairman of the English department and director of student activities in a Tampa, Florida high school.

Lieut. Commander James W. Sours, medical corps, U.S.N.R., will be responsible for the health of the apprentice seamen. Since entering the Navy in 1940, Lieut. Comdr. Sours has served in Cuba, Ireland, Scotland, and the South Pacific. He was graduated from Northwestern University School of Medicine, and practiced in Peoria from 1931 to 1940.

The third officer, Lieut. (j.g.) Martin P. Anderson, is executive officer of the program. His peacetime position was director of the adult education program of the Wisconsin College of Agriculture. Lieut. Anderson received his bachelor and master's degrees from Wisconsin University.

Ensign George M. Martin from Lorenzo, Texas will be the officer in charge of the physical fitness program. A graduate and football star of Texas Technological College in 1936, he was formerly with Cabot Carbon Company as field supervisor.

Ensign Thomas H. Hamilton has also been assigned to IIT.

The chief specialists who will direct the physical fitness program include: H. D. Fearey, Visalia, California; Fred H. Godfrey, Rush Springs, Oklahoma; J. F. Shannon, Troy, New York.

Fearey and Godfrey were high school coaches in their respective states before joining the Navy. Shannon, who played halfback on the Bearcat football team in Troy, New York, is also a former skate champion.

Yeomen reporting for duty include Noble T. Hawkins from Kentucky, who will be in charge of office work for the Navy, Robert E. Morgan of St. Louis, Missouri, and Robert E. Morgan from Whitman, Massachusetts.

Others stationed here will be storekeeper, Chester E. Tracy, Jr., from West Newton, Massachusetts; and four pharmacist mates, Lynn Gorman of Pomona, California; Lawrence O. Newman of Elkhart, Indiana; William W. Wright of Chicago and George Fyfe also of Chicago.

Victory Garden In Rear Of Chapin Hall Will Provide the Lunchroom Food—Maybe

For the second year in succession, a Victory Garden is growing in the back of Chapin Hall. Sponsored by the grounds and maintenance department, this project is under the supervision of H. A. Bode, school gardener.

This year the planting of the garden was delayed because of the severe rains earlier in the spring. Vegetables growing in the garden are radishes, carrots, lettuce and corn. The produce realized from the project will be given to the lunchroom.

ENGINEERS' CO-OP INC.

The STUDENTS'
bookstore at IIT

A non-profit
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TECHNOLOGY NEWS

Member, Associated Collegiate Press

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The Navy Boards IIT

After months of speculation and uncertainty, the Navy has become a reality at Illinois Tech.

To hungry civilian students—who found their cafeteria closed to them because of the Navy's arrival—a very pertinent reality.

As a result the influx of 390 Navy men on the Armour campus has been allowed to threaten friendly relationships between them and the regular civilian students of Illinois Tech before either group has had time for an opportunity to orient itself for an acceptance of the other's problems.

On one hand, returning civilian students found their Student Union no longer available for either recreation or eating. The lunchroom, which had been rapidly becoming IIT's last informal meeting place and refuge from the daily grind, had been taken from the students without warning.

To about two-thirds of the Navy men, on the other hand, it was just as big a problem as to where to find the "grounds" of a campus similar to ones to which they had been accustomed. These men were coming to Illinois Tech for the first time, and most of them were college men devoted to what had been their Alma Maters until the Navy became their head school master.

Small wonder then that they resented being taken from various campuses and put into a school which can boast neither coeds or scenic beauty on its south campus.

The civilians hungry and seemingly thrown out of their home; the seamen not yet acquainted with that new home—hardly a fit welcome for either group.

Perhaps if it had been pointed out to the civilian students that adequate plans were being made to care for them and to provide them with lunch space, a great deal of their hard feelings, nurtured on empty stomachs, would have been avoided.

And if the hungry civilians had worried less about their appetites and more about letting the newcomers know why they were proud of Illinois Tech and to showing them that indeed the proverbial heart of gold does beat beneath the rough exterior of the Armour campus, things might have gone better.

Also perhaps it should have been pointed out to the Navy students that they have been sent here primarily to receive an education, which they will get here regardless of the surroundings. And not only will they get the best in education, they will get it in the heart of a city that is tops in entertainment and hospitality for servicemen.

Last week can hardly be considered a fair criteria for judging future relationships of civilians and seamen. Most of the civilian students realize that the Navy is not responsible for prevailing conditions, and want to accept the sailors as 100% IIT men. Most of the Navy men probably likewise want to become 100% IIT men.

So while a fitting welcome for both groups was missing, there is still the basis for a common understanding. Both groups must remember that for each now, "This is OUR school."

—LARSON

Man Of The Week —

Milton Burkart Introduces Freshmen To IIT

MAIL CALL

(EDITOR'S NOTE: Items concerning I.I.T. 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.)

The following lines were taken from a letter by Frank Greenberg, M.E. '44, who is now stationed at the Aberdeen Proving Ground.

"After spending three weeks at the Fort Custer reception center, I was sent here to Aberdeen, where I enjoyed my basic training along with Bob Osborne and George Schultz, both M.E. '44's.

Finishing basic we were assigned to various Ordnance schools. Bob went to advanced instrument repair to learn the aircraft detector system; George is in artillery mechanics school; and I am in instrument repair learning to maintain all forms of Fire Control and Sighting Equipment.

Bob was made a corporal technician some weeks ago and I have been in a Cadet school studying to be a N.C.O. instructor.

Ordnance, in case any of the boys at school want to know, is a darn good service. It is the only service outside of the air corps where a basic technical education is a great help."

V V V

Lt. (j.g.) Larry Douglas, USNR, M.E. '42, is now serving aboard the battleship USS Alabama.

"At present I am serving in a turret on one of our great new battlewagons. Needless to say it is a fascinating way to see the war, and an experience one would hesitate to trade for many of duller wartime billets.

I've had little or no word from others in the service—except that Johnny Cotter—Mr. Kelly's former right hand man in the registrar's office—is now serving aboard as yeoman. He gets around O.K.

From my own observation it has become clear that mail—even circulars from home or near home—is the greatest single morale factor in the armed forces."

V V V

The "Three Musketeers," Irv Slone, Byron Round, and Chuck Kill, are now sweating away under that hot Kansas sun at Fort Riley. These men who are in the army E.R.C. program are taking their thirteen weeks of basic training in the cavalry camp. Although the four weeks of quarantine are exceptionally difficult, the fellows report that they are in with a crowd of all college men, led by a group of young well-trained officers.

V V V

A/C Stanley Tolbert Jr. is now stationed at the Boca Raton Club, Florida, studying the basic steps of army air corps meteorology. Stan was a former 4-A co-op. John Rittenhouse, another former 4-A co-op, was recently assigned to this same hotel. They both report that Florida is a beautiful state, but feel that the IIT engineers would do more good in a civilian capacity.

V V V

A/C Robert H. Anderson, former 4-A co-op, has been transferred to a basic flying field at Pecos, Texas. "Here I am 'deep in the heart of Texas' for my Basic Training. The BT-13 we fly is quite a 'hot iron' and I like it a lot. Thanks a lot for the school paper. I sure enjoy reading about all my old friends and co-ops."

By HARRY BURKART

During Orientation Week freshmen were given an introduction to college life by a tall, red-headed fellow who was called "the chairman of the freshman advisory committee."

For his work in this enterprise he has been selected *Technology News*' "Man of the Week."

It was his business to organize a group of senior advisors to acquaint the new students with all the aspects of life on the campus, and to aid the students in the solution of whatever problems might confront them.

This fellow's work, (his name is Milton Burkart, by the way, or just plain Milt for short), has gained him the respect and friendship of many freshmen.

Milt is also frequently seen popping from

one instructor's office to another's, or dropping in for a friendly chat with a secretary. He's the one who makes it his business to find out what's going on in every department and branch of IIT. The reason:

Milt is the assignment editor of *Technology News*, and his is the responsibility of finding all the news that fills the paper's pages each week. Milt's newspaper work also brought him an invitation to Sphinx, IIT's honorary literary fraternity.

Although the previously mentioned activities might be enough to keep most students busy, Milt has found time for others. At present he is secretary of the newly-formed chemical organization: Flask and Beaker; a member of the senior jewelry committee, and an active member of the AICHe.

Milt has found recognition in his professional field also. Last year he was initiated into Alpha Chi Sigma, the national professional chemical fraternity.

During his first year in college he spent a great deal of his time as the assistant scoutmaster of a Boy Scout troop. Lastly, sandwiched between his school and scout work he found moments to play the violin, an art that he mastered by ten years of study.

The Collegiate World

The students of Mundelein College for girls, Chicago, amassed \$17,232.15 in their War Stamp and Bond campaign during the academic year 1942-3. This is approximately \$29 per student. Included in that sum are proceeds of all the social affairs held during the year.

* * *

The first college announcing credit for servicemen is the University of Illinois, which stated that it will grant undergraduate credit to men in the services who have taken military courses dovetailing with their university work. Extended overseas service, earning a commission while in active service, and other prolonged meritorious service involving substantial responsibility will be considered by the University of Illinois for college credits.

* * *

The students in the Secretarial Department of DePaul University, Chicago, who prove best equipped to enter the field of business are those who have studied Latin for four years in the high schools.

They are the students who are word-conscious, who spell correctly, who show taste in the selection of words, ever mindful of the precise meaning; they understand roots, prefixes, suffixes—they know words and their practical application.

From our READERS

(EDITOR'S NOTE: This column is for expression of ideas from readers. Letters containing not more than 250 words will be printed. Anonymous letters will not be considered for publication, although a writer's name will be withheld from publication if desired. The Managing Board reserves the right to select the letters to be printed whenever the number of letter submitters exceeds the space allotted for this column.)

Dear Editor:

Efficiency is one of the most desired attributes of any administrative organization. However, here at IIT, the staff has repeatedly demonstrated that it is incapable of handling situations in any such manner.

The student lounge is only one case in point. The lounge, which is now closed, may be ready for use in about one month—or perhaps two. Before it is opened, the navy will have to find space for the uniforms presently stored there. After this is done, the room will have to be remodeled.

An efficient organization would, in my estimation, do its remodeling when the students are away from school. During a six week period it could do the job six times. But this is IIT.

The blame for this situation should be shouldered equally by the administration and Mr. Weissman. Their lack of interest in student welfare is plainly disgusting.

The students are demanding some action from a lethargic, disinterested administration.

Yours with little hope,
A Junior.

Dear Editor:

A clean campus is something that IIT does not have.

The reason is that the civilian students, not having access to the cafeteria in which to eat lunch, have neglected to place waste paper in the receptacles provided. The temporary situation demands that we do everything we are able to do in cooperating with the Navy and the administration until satisfactory arrangements can be made to provide proper facilities.

Every student spends about twenty and probably more hours a week at IIT. In order to make the best of the situation we should all cooperate in doing our part to keep the campus clean.

O. A.

Dear Editor:

Unknown to many students, the Engineers' Co-op, Inc. pays rent to the Institute for the use of its room on the fourth floor of Chapin Hall.

This bookstore, actually a student activity, is a non-profit organization operating solely for the benefit of IIT men. Profit is returned to the students through a dividend distributed every year.

In spite of these facts the Institute has increased the already exorbitant rent from 2 to 3 percent of sales.

In this case the policy of the administration is not in the interest of the student.

R.J.S.

Dear Editor:

Last semester the IIT lunchroom was, at lunch hours, crowded to overflowing. There was always difficulty in obtaining a seat to eat in.

But even the cafeteria of last semester was heaven compared with the prospect all students faced last week. Navy men waited in long lines to get into the cafeteria at lunch time, while civilian students could eat only in the east dining room.

I'm sure all navy and civilian students will welcome the opening of the addition to the kitchen when all will be adequately provided for...

Bert Pearl

The Other Side —

IIT President 'Outstanding Young Man' Of 38

Navy Blues

Head of the nation's largest engineering college at 38 years of age —this is Dr. Henry Townley Heald, president of Illinois Institute of Technology.

Despite his youthful age, President Heald has behind him a career filled with experience fitting him for Illinois Tech's leadership, especially at a time when engineering is a chief foundation block of a nation at war.

With three college degrees and 20 years of professional engineering experience, President Heald has a record which speaks for itself. Re-emphasizing, however, that he is an "outstanding young man," organizations of the city, state and nation have formally awarded him that title.

Dr. Heald ranked as one of the ten outstanding young men of America in the 1940 United States Junior

Chamber of Commerce selection. In the same year the Illinois Junior Chamber of Commerce selected him as the state's outstanding young man, and he was named Chicago's outstanding young man by the Chicago

go Junior Association of Commerce.

A native of Lincoln, Nebraska, President Heald was only 18 when he received a Bachelor of Science degree in Civil Engineering from Washington State College. Two years later he obtained his Master of Science degree from the University of Illinois.

In 1923 Dr. Heald became a junior engineer on the McKay Dam construction project in Oregon, later serving as a designer for the Illinois Central Railroad department, structural engineer for the City of Chicago and superintendent of construction on an apartment building in Pullman, Washington.

An engineer at 18, President Heald became a college professor at 22, for in September, 1927, he came to Armour Institute of Technology as an assistant professor of civil engineering. He was later an associate professor, assistant to the dean, dean of freshmen and finally professor and dean of the Institute.

Dr. Heald became president of Armour Institute in May, 1938. When

Armour and Lewis merged in July, 1940, to form Illinois Tech, he was immediately chosen president of the new school. A year later he became head of the Institute of Gas Technology.

Dr. Heald drew the attention of engineering educators all over the United States this June, when he presided over the golden anniversary convention of the Society for the Promotion of Engineering Education in Chicago, being the youngest president in the history of the Society.

The war brought Dr. Heald duties in addition to that of directing the nation's largest engineering college. He became a special adviser on training for the Bureau of Naval Personnel, technical consultant to the War Manpower Commission and regional adviser of the Engineering, Science and Management War Training program of the United States Office of Education.

He was one of 12 college presidents from all over the nation who last winter helped to draft the Army-Navy Education plans, serving on the sub-committee which actually worked out the plan.

Illinois Tech, under Dr. Heald's leadership, had geared itself to a

THIS IS THE LINE WE HAVE TO GET INTO BEFORE WE GO UP TO THE SECOND DECK. FROM THE LINE THERE WE GO ACROSS THE STREET FOR QUARTERS BILLET. THEN ALL WE HAVE TO DO IS GET OUR CLASS CARDS.....



In Chicago

Everything Is Free To Men In Uniform

names 'n notes

To revisit the country of his birth Gordon Sommer would have to travel to Charlesville, Belgium Congo, Africa... Other IIT students whose birthplaces are on foreign soil are: ALLEN WIAANT, Peking, China... ERNEST HELLMER, Nordheim, Germany... HENRIETTA SEKLEMIAN, Rotterdam, Holland... KENNETH JOHNSON, Liverpool, England... THADDEUS BARZYNSKI, Tarnow, Poland... HANS NORD, Hamburg, Germany... LEONARD ROTTER, Logow, Poland... GEORGE VON FREDERSDORFF, Berlin, Germany... SIDNEY BAKER, NORMAN FRIEDMAN, and JOHN TREGAY, Winnipeg, Canada... PETER FRITSCH, Vienna, Austria... WALTER NATHAN, Frankfurt, Germany... EDWARD LANDA, Kiev, Russia... LOUIS WENGEL, Berriso, Argentina... TULLIO CARNESCIALI, Arizzo, Italy... KNUT ANDERSON, Kongsburg, Norway... JOHN SACHS, Duesseldorf, Germany... OVE GREEN, Modum, Norway... VOYMIL BRADETICH, Tnietse, Italy... ROBERT MCLELLAND, Toronto, Canada... ALEXANDER PATERSON, Taber, Canada... and JOHN WRIGHT, Manitoba, Canada... HERBERT REISMAN, Vienna, Austria... BLANCHE FRIED, Prague, Czechoslovakia... FRANK LOMONACO, Palermo, Italy... VIOLA SIEVERS, Kiel, Germany... FRANK LUCATORTO, Naples, Italy... Early registration returns also reveal there are twins on campus... HENRY and ERWIN KOCI are registered in the m.e. department and ROBERT and RICHARD YOUNG in chemistry... BETYANN DETTERBECK, freshman m.e. engineer, is the third generation of her family to study engineering... Her grandfather and father are consulting engineers in Chicago... ROBERT BROWNING, the poet, and JIMMY STEWART, the movie hero of the nation's women, have seconds at Illinois Tech... JIMMY, II, hails from the windy city and ROBERT, II, from Toledo, Ohio... HOMER RISSMAN is the third RISSMAN to study architecture at the Institute.

Attention, all V-12 trainees.

Do you have that "where should I go and what should I do" feeling on liberty? Your problems are solved —your worries are over. Read on and discover the friendship Chicago has to offer.

* * *

First of all, you're a service man, and the city's transportation lines, the double decker buses and the street cars, provide you free transport... providing you're in UNIFORM.

Once in the Loop, you're again the guest of Chicago. The movies, the stage, the opera, and concerts are yours for the asking.

OUT ON LIBERTY. At the United Service Organization, 131 South Wabash Avenue, there is dancing every Tuesday, Thursday, Saturday, and Sunday.

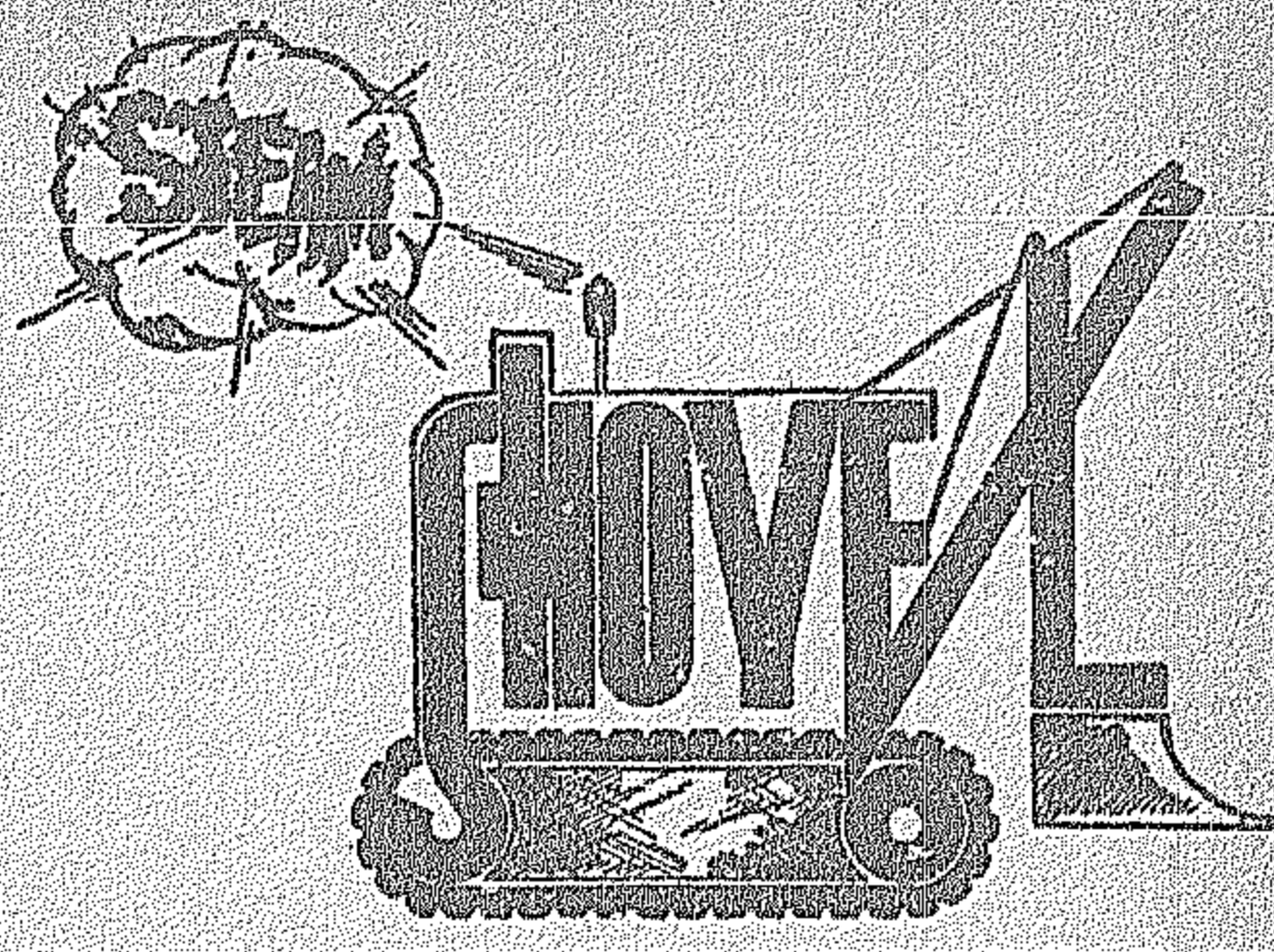
There "junior miss" and her older sister, hostesses at the U.S.O., will trip the light fantastic... jitterbug in some cases... with all you land-bound sailors. Party refreshments will be served free of charge, and if this and chow have not been sufficient, more chow may be obtained for a very nominal sum at the snack bar.

* * *

Camera bugs can check their equipment for the evening or use the dark room to develop the day's pictures. Service men, whose equipment does not include a Brownie may borrow one, providing it's returned. Here, too, at the U.S.O. you can record your own voice for the folks back home. You can play ping-pong or pool to your heart's content. On the beautiful Bessinger alleys you may also bowl at reduced prices. If you have your own transportation, you may also play golf. The U.S.O. will provide the clubs and the club.

These and many other personalized services are all offered by the U.S.O. Other convenient stations are located at 203 North Wabash Ave.

(See CHICAGO on Page 6)



Usually a columnist opens his secluded spot on the feature page at the beginning of the semester with, "Well, here we are again, and did we have a good vacation and were we good boys" and so on for a page or more. However, it was a good vacation and since it was good, how could students rest or behave themselves.

In the last issue mention was made of a new manager for the Co-op bookstore. But what a manager!! Her name is Donna and before the rush starts be warned that the Co-op is selling more books than there are cinders in the drawing rooms so it's "get there fustest with the mostest." John Pottin ger spent ninety minutes trying to buy a block of note book paper, enjoying the beautiful view all the time.

Still drugged by the reception accorded them in Benton Harbor, that venerable organization, the BTO (Big Time Operators) spent the July 4th weekend at Lake Delevan. Due to his inspired leadership at Delevan, Jack Byrne was given the title of BBTO (Biggest Big Time Operator) while Ulysses Backas, second in command, drew the title of OTO wolf (Outa Town Only).

Vacationing at the same spot were the De Cicco Wizards and the 4-A co-ops. The Wizards, as be-hooves their tender years, were home every night by 11 o'clock. Just whose home is a military secret. The most touching sight was Tom Kilgariff and Anita building sand castles on the beach.

The twenty 4A co-ops lived in a cottage at Lake Lawn for the whole week. After draining the quarter-barrel of beer always on tap in the cottage, Bill Mahoney and George Kennedy, barely able to maintain static equilibrium, cooked a delicious dinner (?) for everybody. Their pre-dinner floor show included such acts as boiling potatoes in beer, frying sliced potatoes without washing or peeling, and sticking a raw potato on a carving knife and then sticking it in the wall next to the spectators' heads.

There is always the little story about the wonderful night Russell Mueller and Burt Snyder spent with two Milwaukee girls. It was a cold evening so the couples sat on the couch in front of the log fire in Lake Lawn hotel lobby. The next thing they knew it was 5:30 a.m. That certainly beats homework as a way to spend a quiet evening.

Former IIT student John Butkus has returned to his Alma Mater after a few years spent building ships and dredging channels. He is now assisting the Civil department as an instructor. Johnny was last seen trying to teach those outdoor characters with the steel tape, notebooks, red and white poles, how to measure the distance between a piece of pigeon dung on 33rd street and a cinder on 34th street.

It is a good thing that we don't have Engineers taking Home Ec. courses; Ch.E's would probably end up with case-hardened biscuits!

* * *

As yet, Professor Charley "Ampere" Nash, of the EE department, has not furnished a satisfactory explanation to the question, "What happens to the squirrels when their cages are used for the windings in squirrel cage motors?"

The Medinah Club's Sunday evening dances attracted the attention of a number of the more accomplished wolves. Art Devitt, Al Purzycki, Tom Artingstall, Cliff Oliver, and Tom Dressler attended a recent session, and advocate attendance for all the pack.

Otto Krause is trying to convince people that the scar on his chest is the result of a wound received when he was attacked by a bear. Said bear was supposed to have done the attacking while Otto was on a fishing trip in Minnesota. Just what species of bear inhabit Roseland?

All tuckered out after a bad day's work, Miss Joan Tucker, Lewisite, who doubles in the news Bureau as a reporter, used her head and her thumb to good advantage in escaping from the Armour campus last week. Miss Tucker lifted her thumb, (yes, her thumb), as a Greyhound Bus hove into view, and calmly boarded said vehicle mid the cheers of the Navy rooters. Bouquets to Joan for successfully hitch-hiking a public conveyance to fare.

Navy Cadets To Participate In IIT Sports

All Men Eligible To Take Part After 16 Weeks Basic

"Navy students will be able to participate in Illinois Tech's sports program." These were the words of Ensign George Martin when asked of the Navy's stand on this question.

According to Ensign Martin, the first 16 week term will be a basic training period, and all sailors will be required to take gym one hour a day for six days a week. These gym periods are in addition to a twenty minute a day period of calisthenics at six o'clock in the morning.

As sailors, these boys must know how to swim. The Navy classifies a man who can swim 50 yards as a swimmer. This distance is considered enough to get a person away from a sinking ship and consequently the dangers of the ship's suction taking him to Davey Jones' locker.

Those who are swimmers take one hour of swimming a week, while the "submarines" take three hours. Illinois Tech's Navy men showed a superiority over the rest of the Navy when 17% flunked the 50 yard swim. The Navy average is approximately 33%.

During the first 16 weeks, a sailor may try for a varsity team, providing he is in the upper 25% of his class and he obtains the permission of his commanding officer.

After the 16 week basic training, any Navy student who is in good scholastic standing and who can find the time may participate in varsity sports. These sports include basketball, boxing, wrestling, six-man football, and possibly hockey.

Ensign Martin, who was transferred from the Naval Air Station at Jacksonville, is assisted by three Petty Officers and Coach Grant Stenger. The Petty Officers, Fred Godfrey, John Shannon, and Hiram Fearey, have all come to Tech via the Naval Training Station at Sampson, New York. This staff will have full charge of civilian and Navy physical education, and they will conduct monthly tests to determine and record improvements in the students' records.

Eleven Varsity Sports Open To All IIT Athletic Aspirants

"Sports for sports sake."

Long a familiar cry among some sports fans, this saying depicts exactly what John J. Schommer, director of athletics at Illinois Tech, and one of the all-time sports greats of the nation, has given students at the Institute.

Without what could, in the usual sense of the word, be called a major sports team, Illinois Tech still has a major sports program, one that is far more extensive than that usually offered at most colleges and universities.

Eleven sports—but no football eleven, except for an unofficial football team which has been organized for each of the past two seasons—are included on the varsity program.

These include: basketball, swimming, boxing, wrestling, fencing, hockey, rifle, baseball, track, tennis and golf.

All of these are activities which are provided for men who love to play for the fun of playing. Techaw teams in each of these sports compete in no organized conference but simply fill out a season of activity with all the competition that neighboring schools have to offer.

Greatest success enjoyed by any Illinois Tech teams probably was that belonging to the baseball team which in 1941 won the national championship

Illinois Tech's Coaching Staff Boasts Many Former Stars

Headed by John J. Schommer, whose name is familiar to every pro football fan in the nation, Illinois Institute of Technology has a well rounded sports staff of 11 coaches.

Schommer, who was selected all-time all-American in basketball, all-Western and all-American mention in football, an Olympic selection in track, and a leading hitter in baseball, is director of athletics.

"Long Jawn" Schommer, the first man in the history of the University of Chicago to win letters in four sports, is still active in athletics. In addition to his Illinois Tech activities, Schommer is a football official...one of the professional league's most colorful arbitrators.

Assistant athletic director and director of a string of activities on the IIT campus is Bernard "Sonny" Weissman. "Sonny" graduated from DePaul University in 1928 with an A.B., a law diploma, and major letters in baseball and boxing.

A familiar personage in the Golden Gloves tournaments of Chicago, the "dean" of the Student Union is a member of the rules committee of the Illinois Boxing Association, the National Amateur Athletic Union and the Illinois State Boxing Commission. His coaching activities include baseball, boxing, and wrestling.

A former Indiana University athlete leads the track team of the nation's largest engineering college. Wilmer T. Rinehart, former Big Ten javelin champion, graduated from I.U. in '29.

Rinehart, who is assistant physicist at the Armour Research Foundation, was added to the coaching staff this year. While doing his graduate work at Indiana, Rinehart was also assistant track coach.

Techaw champions, both of them, Edward F. Wagner and Michael Schultz, are the only two coaches to return to their Alma Mater to direct in the athletic program.

Wagner, who played guard with the Techawks cage squad from 1936 to 1938, will begin his second year with the basketball team this winter. Until his own team bettered the seasonal average this year, no IIT squad has finished with more victories than defeats since Wagner's own playing days. Wagner is teaching chemistry in addition to his

coaching and graduate work activities.

Schultz, '42, now tennis mentor, was Illinois Tech's net captain for 1941-42. While playing No. 1 position during the 1940-41 season, Schultz led the team to the top in the school's net history. The records that year included 14 wins, 4 losses, and 1 tie. Schultz is also doing graduate work and assisting in the automotive laboratory.

The swimming coach, E. W. McGillivray, has been coaching Techaw tanksters for the past 19 years. In addition, he's also Chicago University's coach. McGillivray tank record reveals he was champion breast stroke swimmer in A.A.U. meets for three years and a member of a record relay team representing the Illinois Athletic Club.

The rifle squad, which this year will open its 23rd season, is directed by Charles E. Martin and Dr. J. F. Mangold. Martin, an expert rifleman, has shot with several rifle teams including the Yellowstone Rifle Club of Billings, Montana. Mangold has been a sponsor and coach of the Techawks for the past 20 years.

Samuel F. Bibb, the Techaw golf coach for the past 12 years, is associate professor of mathematics. Before coming to Illinois Tech, he was on the coaching staff of North Dakota University.

Grant N. Stenger and Arthur E. Wright, both graduates of physical education, are in charge of the physical education programs of the campus. Stenger, former IIT baseball mentor, has charge of the south side program, and Wright, the west.



by BACKAS

There have been some changes made on the south campus of dear ol' IIT, and I am inclined to think that they are for the best. Uncle Sam's Navy has arrived and the situation is well in hand. On behalf of the sports staff I would like to give a hearty welcome to all you men in white.

Now that you are an important part of our student body you probably want to know what type of sports exist on the campus.

We have no million dollar football teams or grandstand-filling basketball squads. You will see that the time required to develop teams like these cannot be furnished in an engineering curriculum. Most engineering schools that possess football teams with great names include a physical education course from which they draw their candidates.

And last, but not least, IIT does not give "rides" to athletes.

What we do have are good and better than average college teams. We are called the Techawks. In previous years we have been a member of the Northern Illinois College Association.

Every student gets a chance to make the varsity squad, and, as most of you will see, the chances for making a team aren't hindered by any prejudices. If you have a better than average ability, you have every chance of making a varsity team.

Last year's best teams were the swimming, tennis, golf, and basketball squads. The swimmers were heralded as the best in the middlewest until the air-corps took two of the mainstays. Up until the last game of the season, the basketball five hadn't lost a home game. These are samples of what the Techmen can do.

Who are our competitors, you may ask.

Are they a bunch of amateurs?

Here is a partial list of our opponents: University of Chicago, Northwestern, Navy Pier, U. of C. Code School (Navy), North Central, Wheaton, Lake Forest, Concordia, Chicago Teachers, Beloit, Detroit Tech, Lawrence Tech, De Kalb, Michigan State, Loyola, De Pauw, Purdue, Indiana State Teachers, Valparaiso, St. Joseph and Wilson.

Now just one word to the new civilian students. Some of you have won letters in sports while in high school or at some other college. We congratulate you, but we wish you wouldn't wear them on the campus. Honor 1, the honorary letter men's fraternity, has asked me to inform you that all letters and insignia other than IIT's will not be tolerated on the campus. Come out for our varsity teams and earn one of Illinois Tech's major or minor letter awards.

If and when any of you, civilians or service men, have any gripes about sports or anything else around school, let us know about it. Address a letter to an editor and sign it. We want you to know that this is a democratic paper in one of the most democratic schools you can find anywhere in the country. And when you find something that you are mighty pleased about, let us know about it also.

Chicago

(Continued from Page 5)

nue, 1122 South Wabash Avenue, and 975 East 60th Street. Incidentally, the latter U.S.O. is just beyond bounds for you freshmen at George Williams College.

The Service Men's Center has similar attractions and more, too. At the main center, 176 West Washington Street, fourteen floors are devoted to numerous diversions... all for you.

Here you may dance every night and those interested in the more boisterous form of the Terpsichorean art will find a special room where jitterbugs thrive. If you're more interested in less strenuous amusement, you may read in the spacious lounge, listen to classical music, or attend the movies. A limited number of free tickets to the leading movie, the legitimate theater, opera, or concert may be secured here.

The center also maintains an open air branch in Lincoln Park off Fullerton Avenue, where you can swing and sway to the ripples of Lake Michigan and other suitable accompaniment, of course. Here you can also play golf free of charge, go swimming, or view more movies. Another branch, the Auditorium Hotel at 430 South Michigan Boulevard, also offers many of the same pastimes... plus free bowling.

Stranded downtown, you may arrange to sleep at the exclusive Palmer House at the rate of one dollar per day. Incidentally the U.S.O. will furnish shaving facilities for strayed souls.

All of this is for you, you lucky gob. Remember, however, to wear your uniform or to carry satisfactory credentials to prove you are sailors and not refugees from a draft board.

Cliff Oliver Selected Head Of Intramurals

Intramural Softball Tourney Starts Next Monday; Navy to Play

With Cliff Oliver re-elected as intramural manager for the next two terms, a full schedule of summer intramural sports is now being planned.

Oliver has announced that a two-game elimination softball tournament will be in full swing by July 19, and will be supplemented by golf, tennis, and possibly horseshoe competition later in the summer.

In the softball tourney, entries will be limited to departmental and class teams, but any number of teams from each class and department are eligible. Navy men may be included on any of the teams. No men will be able to play on more than one team.

All team entries must be reported to the intramural manager in Bernard Weissman's office by Wednesday, July 14, and the entries are to be accompanied by a schedule of free hours for each week-day of the entry. All games will be played during school hours through July and August.

The schedule of games to be played will be posted on the bulletin board in the Student Union lobby by Friday. Rules governing play in these games are also posted on the board, and it may be noted that spikes are definitely banned.

Plans for the other sports activities are not yet completed, but details will be announced later.

Other Side

(Continued from Page 5)

war tempo long before Pearl Harbor. And now, in addition to training engineers and Navy trainees, the Institute is conducting the most extensive war training program in a single city in the nation and the largest in a privately-operated school. The school also operates the largest and most advanced Signal Corps training program in the Sixth Service Command.

In addition to his administrative duties, Dr. Heald still finds time for active membership in many civic and honorary organizations, including the fraternities, Tau Beta Pi, Phi Kappa Phi, Sigma Tau and Chi Epsilon.

President Heald, who is married and resides at 5844 Stony Island, finds diversion in the Armour Faculty Club. His democratic spirit there once caused Prof. Walter H. Seegrist, president of the club, to remark, "When President Heald folds his long frame in one of the maroon leather chairs, smokes his cigarette and chats with members of his staff, he's just one of the boys."

Leader

(Continued from Page 3)

for the nation's more than 600 munitions plants.

Likewise Illinois Tech has also broadened its regular educational program to fit war needs. It was the only college in Chicago selected for both army and navy educational programs. It let its traditional college calendar become a war casualty and sent its regular students to school on the round-the-calendar program of the Navy.

Like Hawthorne's tale of the miraculous pitcher that was never empty, the story of activities at Illinois Tech is still brimming with miracles of the present day.

Its campuses likewise are full to overflowing; in fact, including eight war plants in which it has classes, Illinois Tech is now conducting classes in 23 different locations or "campuses."

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Three Named To IIT Faculty For New Term

Appointments Include Haim Reingold, Ruth T. Severud, John Hommes

Three appointments to the faculty of Illinois Tech for the new round-the-calendar program were announced today by Dr. Linton E. Grinter, vice-president of the Institute.

The appointments include: John Hommes, assistant professor of fire protection engineering; Dr. Haim Reingold, assistant professor of mathematics; and Miss Ruth T. Severud, instructor in home economics.

Hommes, a 1929 graduate of fire protection engineering at Illinois Tech, has previously been connected with two actuary companies. He was employed from 1941 to 1943 by the Western Actuary Bureau, and from 1929 to 1941 by the Kentucky Actuary Bureau.

Back at his Alma Mater, the only school in the nation presenting a four year course in fire protection engineering leading to a degree, Hommes is now teaching schedule rating.

The new woman staff member, an art specialist, will teach related arts in the home economics department. A Carnegie Foundation scholarship winner, Miss Severud has studied in graduate school at Harvard, Oregon, and Colorado universities. Miss Severud was graduated from Winona State Teachers College in 1933.

Miss Severud's teaching experience includes the supervision of art at Red Wing High School, Red Wing, Minn., and the teaching of art at Iowa State College, Ames, Iowa. In addition to her teaching experience, Miss Severud has traveled extensively in Europe.

Miss Severud, who is at present studying at the Modern Museum of Art in New York City, will assume her position at Illinois Tech the latter part of August.

Dr. Reingold has been made director of mathematics at George Williams College, where 263 of the Navy V-12 at present assigned to the Institute are studying. Just previous to his assignment in the mathematics department, Dr. Reingold was in charge of mathematics instruction of the Signal Corps Training Program.

Before coming to Illinois Tech, Dr. Reingold was mathematics instructor at the University of Cincinnati. His three degrees, bachelor of arts, masters, and doctor of philosophy, were earned at the University of Cincinnati.

4 IIT Grads Awarded Assistantships Here

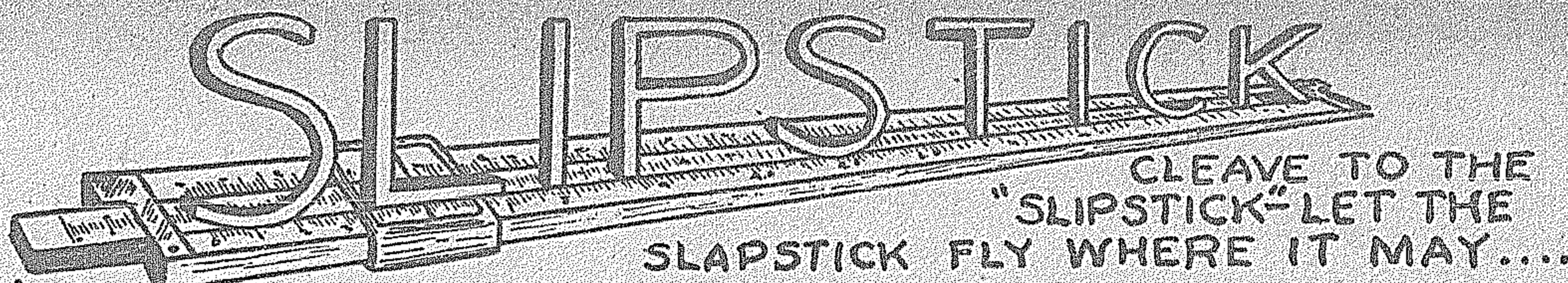
Four graduates of Illinois Institute of Technology have been awarded assistantships at the Institute, it was announced today by Dr. Linton E. Grinter, dean of the graduate school.

The four and the departments to which they have been assigned for part-time teaching while studying for advanced degrees are: John Butkus, civil engineering; Raymond Kliphardt, mathematics; Harold Sogin, mechanical engineering, and John Volakakis, civil engineering.

Sogin and Volakakis are both May graduates, Sogin having been the No. 1 student in his class with a four year average just five-hundredths shy of perfect.

Kliphardt, who graduated in 1938, has been instructor of mathematics at North Park College, while Butkus, a '42 graduate, has been assistant superintendent of the structural shop of the Dravo Corporation in Wilmington, Del. for the past year.

A fifth graduate appointment, the Universal Oil Products fellowship, was also announced by Dean Grinter. This award, which provides for research work in catalysis, is to be given Channon F. Price of Dashman, Washington. Price graduated from Gonzaga University this spring.



"Jones has eleven children."
"Gosh! He's gone stork mad, hasn't he?"

It has been said that virgin wool comes from the sheep that can run the fastest.

The little Moron's watch had stopped ticking and he tried to find the trouble. Finally he took the back off it, went into the works and found a little dead bug. "No wonder it doesn't work," he said, "the engineer's dead."

I bought my girl some garters,
At the Kresge five and ten.
She gave them to her mother,
That's the last I'll see of them.

"Familiarity breeds attempt."

A young fellow was driving toward town, honked his horn and pulled up to the curb; the young lady got into his car.

As they drove away he said, "When we get to the next traffic light you'll have to tell me whether it's red or green. I'm color blind."

The young lady grinned at him and replied, "Ah say yo' is."

"Say, Mac, do you know the difference between a popular girl and an unpopular one?"
"Yes and no."

Rose's are red,
Pearl's are white;
I seen 'em on the clothesline
Just the other night.

She: You can take me to the dance on the pier tonight if you like, unless (coyly) you meet somebody more attractive in the meantime.

Mac: I say! that's really sporting of you! We'll leave it like that then, shall we?

"Your sister is spoiled, isn't she?"
"No; it is just the perfume she uses."

The daily routine of a professor of English in a New England men's college was pleasantly disturbed when an ambitious freshman handed in his weekly theme with this sentence included: "Thelma stumbled on the threshold, and fell

prostitute upon the floor."

After enjoying a hearty laugh, the professor pencilled this remark on the margin:

"We must learn to distinguish between a fallen woman and one who has momentarily lost her balance."

"Hey, sit down in front."
"Quit your kidding. I don't bend that way."

Sally—"Never marry a man who snores."
Mother—"Yes, but be careful how you find out."

Money doesn't always bring happiness. A man with ten million dollars is no happier than a man with nine million dollars.

A resident in one of the suburbs who returned home late one night and found the following message, in the handwriting of his Polish maid, fastened to the telephone:

MZ MX KULDOP
ZO ZUM YKAM KULROP
NEMERA OWLETE TZGONABE KULROP

He lay awake half the night wondering what the mysterious message could mean. In the morning the maid told him.

"Mrs. Mix called up. So soon you come, call her up. No matter how late it's gonna be, call her up."

Voice from passing car: "Out of gas?"
Voice from parked car: "Nope."
Voice from passing car: "Tire down?"
Voice from parked car: "Didn't have to."

Mrs. Nuwed (placing roast turkey on table): There you are, darling—my first turkey.

Mr. Nuwed: Wonderful, darling—and how beautifully you have stuffed it.

Mrs. Nuwed: Stuffed it? Why, this one wasn't hollow!

The heavy sugar daddy and a new chorus girl were enjoying a little dinner in a private room at a roadhouse. As the meal neared its finish he cleared his throat and said, "Er-er, how about a little demi-tasse now, dear?"

"I knew it! I knew it!" exploded the girl. "I knew you weren't treating me this nice for nothing."

• Armour Research Foundation Is "Million Dollar Baby" of IIT

(Continued from Page 3)

serve as a research department for industries, no matter how large or how small, that have no research facilities, or improper ones.

A prominent feature of these services of the Foundation is found in its readily mobile character, its quickly adaptive framework.

When an industry with a long-term research project, which by its very length meets with interruptions during emergency periods, can move into the Foundation instead of suffering under intolerable delays, the causes both of research and good business are served. This situation is encountered very frequently.

It should be said in passing that the Foundation conducts a large number of fundamental research investigations as contributions to scientific knowledge. In some cases, these researches are subsidized in part by organizations or groups interested in sponsoring research for its own sake.

Encourage use of facilities

The experimental engineering division permits and encourages the use of the general laboratory and shop facilities of the Foundation for short-term studies and special tests. Tests range from short-term experiments to involved and sustained programs. In all cases the catholicity of experience of each Foundation employee is a great advantage to the manufacturer or industrialist who must have results as quickly as they can humanly be had.

It is interesting to note that in the experimental engineering division, of the firms utilizing its services, more than one-half repeat regularly several times each year

and some oftener. One company has averaged more than 100 investigations each year.

Each long-term project is guided by an advisory committee, which includes sponsor representation. Each field of investigation is reserved exclusively for the benefit of the sponsor for the duration of the project, as the Foundation will not take competing projects.

In each project, the sponsor has the possibility of service by any of the more than 200 employees or of work in any of the divisions of the Foundation, regardless of what division the project is originally located in.

Publicity usually unsought

Most of the research and experimental projects of the Foundation go on quietly within the laboratories and workshops of these buildings without causing public furor. But in addition there have been those projects, which the Foundation terms "human interest operations," that have possessed the invaluable power of directing general public attention to the Foundation's work.

Among these was the Antarctic Snow Cruiser, already mentioned and widely publicized. Again, there is an experiment in colloidal fuel, the work of over a year by Dr. Godwin, Dr. Heeren and W. J. Merwin.

They have produced a successful liquid fuel suitable for power plants, steamship or locomotive. The fuel utilizes coal dust, which accumulates in great quantity in mines and is both a nuisance and a health hazard.

In the autumn of 1939, Dr. Godwin drove a stock model automobile through the streets of Chicago pow-

ered by "liquid coal."

Another Foundation development was a fountain pen which would not leak when taken aloft in airliners.

Survey Argentina also

The Foundation has even been commissioned by the government of Argentina for a project. It made an industrial survey of Argentina, the first in history. This project is now being completed. Originally scheduled for six months, the Argentines liked the work of the Foundation so well that it was extended to a year. A field party of three Foundation experts was sent to Argentina to make the study.

Then, too, there have been the experiments on the standardization of the golf ball and the wear and tear to which it is subjected; the investigation of the growing, processing and preservation of potatoes, which resulted in a large reduction of rot losses of such proportions that it had a nation-wide significance; the construction of a device which enabled a bullet to photograph itself in flight at the unbelievable speed of one-millionth of a second; and many more such "human interest operations."

The net result: The Armour Research Foundation has proved the wisdom of its far-sighted founders to the 1300 companies, associations of manufacturers and individuals who have been its clients, and it has grown until it is in a unique position to be of service to any midwestern business or industry which has a research problem. The "baby" of six and a half years ago has today become a giant of industrial, scientific and research advancement.

\$10,000 Given To 41 Students In Scholarships

Peebles, Clarke List Winners; 11 to Get Cook Awards

Ten thousand dollars worth of free education has been granted 41 students at Illinois Tech, it was announced today by Dr. James C. Peebles, dean of the engineering college, and Clarence L. Clarke, dean of the arts and sciences.

The scholarships, which are effective for the new round-the-calendar school year, were granted on the basis of scholastic standings and need through endowments made to the Institute by Chicago philanthropists.

Charles Rowbotham and Claus von Fredersdorf were the winners of the Eckhart scholarship, created by the late B.A. Eckhart, founder of the Eckhart Milling Company and at one time vice-president of Lewis.

The recipients of the White-Eckhart scholarship, established jointly by Mr. Eckhart and the late Catherine M. White, wife of one of the first trustees of Lewis Institute, include: Peter Fritsch, Martha Guesnier, Marcus Heidmann, Lorraine Kronenberg, Glenn Marsh, Marvin Nussbaum, Jesse Shearer, Ray Smith, and Dorothy Zeitz.

Burton Fried and Russell Kasmer received the Julia Beveridge scholarship, founded in 1940 by the Faculty Woman's Club in honor of one of the Institute's first teachers.

The LaVerne Noyes scholarships, granted to World War I veterans or their descendants and approximating a thousand dollars in value have been awarded the following: Frank Carqueville, John Donovan, Gail Flesher, Alan Grant, Lawrence Hemminger, Gloria Jane Klouzer, John McClow, Jr., and Roger Veatch.

Robert Dahl and John Reed, freshmen, were the winners of the Joseph C. Belden scholarship, presented this year to the Institute by the Belden Company in honor of the firm's 40th anniversary.

Through the William J. Cook Fund, more than \$3000 in scholarships was awarded: Shurman Dushkes, Harold Goldsmith, William Herda, Sheldon Levy, Seymour Miller, Forrest Neil, Raymon Olson, and Joseph Pope, freshmen.

Eleven upperclassmen received from the Cook fund scholarships totaling \$3832. The winners are: James Carroll, Gerald Golden, Richard Larson, William Nash, Herman Nelson, William Parks, Leo Polivka, Leo Schaschl, Thomas Welch, and Sheldon Young.

Trustee Paul Parker Dies on June 18

C. Paul Parker, M.E. '10, member of the Illinois Institute of Technology, Board of Trustees, died June 18 at the Evanston, Ill., hospital. His death was caused by a cerebral infection.

Mr. Parker was a patent lawyer associated with the firm of Parker, Carlson, Pitzner & Hubbard in Chicago. He had been with the firm since he was admitted to the Illinois bar in 1913.

He had been a trustee of Illinois Tech for nearly a decade and also served as secretary of the Armour Research Foundation at Illinois Tech.

Mr. Parker was born March 30, 1889, in Elmwood, Neb., and came to Chicago when he was 18. He attended Lewis Institute, Northwestern University and the Kent College of Law.

Mr. Parker was a member of the Chicago Athletic Association, the American Bar Association, the American and Chicago Patent Law Associations, Delta Theta Phi law fraternity, the Republican club and the Glenview club.

He is survived by his wife, two daughters, a sister and one grandchild.