

Armed forces talk at Lewis

At 10:00 a.m., Wednesday, October 21, the students at the west side campus met in the auditorium to listen to the representatives of officers of Navy, Marines, and Army who came here to introduce the purpose of reserve troops education.

Dean Clarke introduced the Chairman of the Committee, Lt. Jay Berwanger of the Navy Air Corps. Lt. Charles J. Freedman of the Army Air Corps was the first speaker. He outlined the danger in this branch of U.S. Army. "It is not only necessary to get young men now, but also to have cadets after the war", were his words. He pointed out that perfect physical condition is one of the most important requirements for the Army Air Corps.

Similar physical qualifications are required for the Navy Reserve Corps, which were explained by Lt. Jonathan L. Nelson. In the Navy Reserve program there are two classes, V-1 open to freshmen and sophomores, who had physics and trigonometry, and V-7 open to juniors and seniors having completed one year of college mathematics, including trigonometry. Pre-medical and pre-dental students are classified into the V-1 group. After three months' training in the Midshipmen school, one is eligible for the commission.

Lt. John L. Reed, representative of the U.S. Marine Corps stressed the physical fitness and the necessity of college education for one who wants to enlist in U.S. Marine Reserve Corps.

U.S. Army Corps was represented by Captain Charles Bellis who explained how the Reserve program came into effect. After the attack on Pearl Harbor many educational institutions contacted Washington inquiring how could they help in the war plan for young men. When the Reserve was organized, a Committee of Marine, Navy, and Army was appointed to go to colleges and universities to explain the Reserve program. Captain Bellis then pointed out the opportunities for a man in the Army.

Government loans available at IIT

\$5,000,000 has been provided by Congress for loans to students in technical fields. The students eligible for this aid are those taking part in accelerated programs in engineering, and the sciences, which can be completed within two years.

The loans are to be made directly by the school which the student is attending. The funds will have been paid to the schools on a basis of estimates presented to the War Manpower commission, which is administering the appropriation. The loans are to be made for "amounts not exceeding tuition and fees plus \$25 per month and not exceeding a total of \$500 to any student" during a 12-month period.

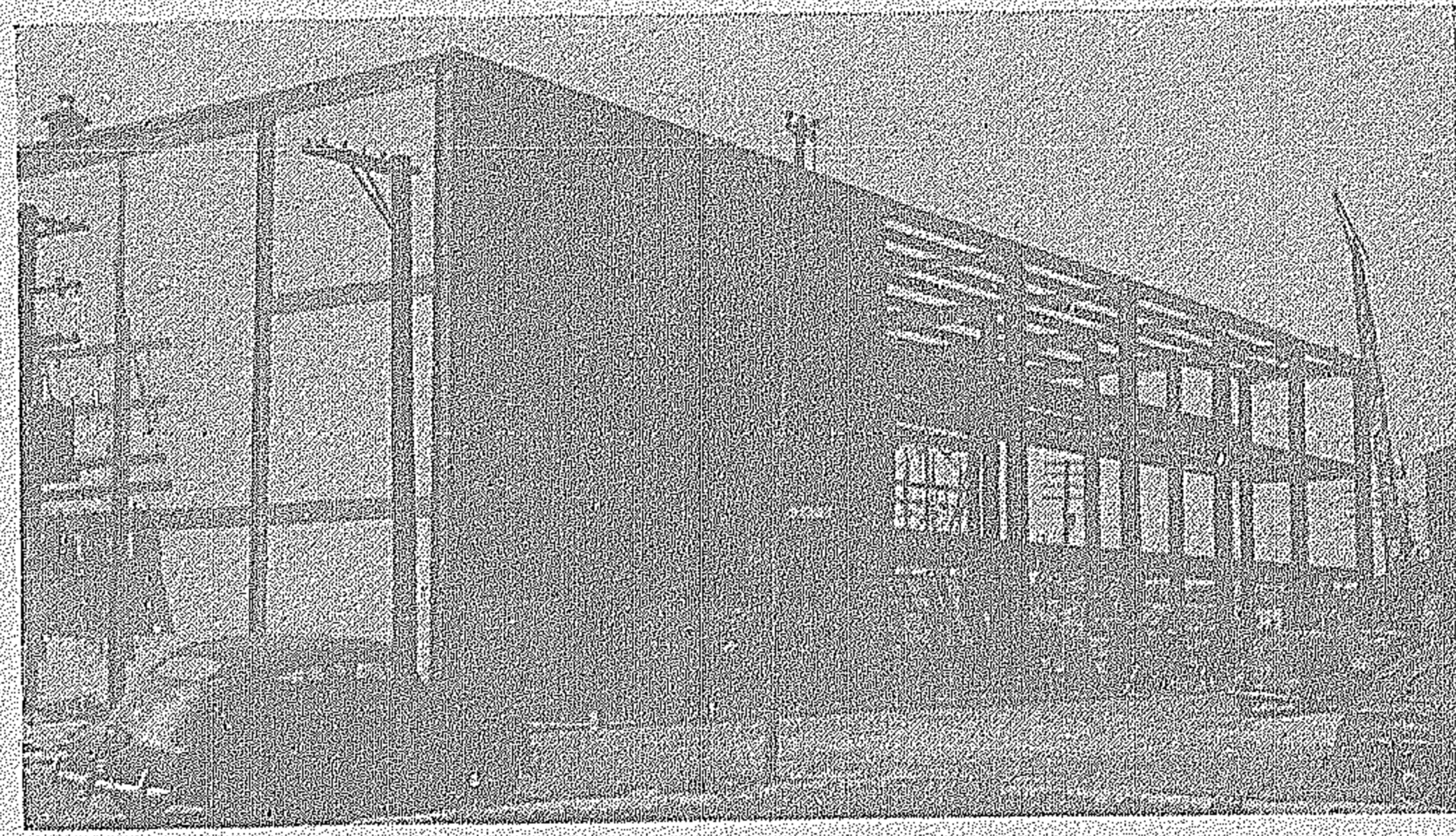
The students receiving aid under this plan must execute notes payable to the Treasurer of the United States at an interest rate of 2 1/2 percent per year. They must agree to participate in the accelerated technical courses and to engage in such employment, as is designated by the War Manpower commission, for the duration. Satisfactory standards of scholarship must be maintained.

Participation in the war-loans program does not exempt the student from selective service. However, the indebtedness of those who are inducted into military service before completing their course is canceled. Otherwise, repayment is to be made through the school which made the loan.

This program will be of great aid to the student at Illinois Tech whose courses have been speeded up. The maximum loan will not cover all the expenses of a three-semester, 48 week program which amounts to about \$546 for tuition and fees. However, the money available will certainly be most welcome to the majority of Illinois Tech's upper-classmen.

Lt. Berwanger of the Navy Aviation Corps concluded the lecture explaining the opportunities and qualifications necessary for the Navy Air Corps.

Metals building in construction



When "Joe Technology" turns his study-weary eyes in the direction of the southwest corner of the south campus he is witnessing the partly completed first unit of the new IIT—the Metals Research Building.

Constructed at a cost of \$250,000 including equipment, the structure will house both the metals and mineral technology divisions of the Armour Research Foundation. The first few bays have been occupied and in use since the first of June. The five remaining bays will be completed by the first of the year.

Ludwig Mies van der Rohe, professor of architecture and director of the architectural curriculum at Illinois Institute of Technology, designed the modern and elegant unit. Professor Van der Rohe received his training at the world famous German school of architecture, the Gewerbeschule, Kunstgewerbe Museum, Berlin. He is a leader in the modern school which stresses practicability first and beauty second. Factory-type construction of brick, steel, and glass has been used for maximum utility.

The Government allowed the project to proceed in spite of the steel shortage because of the vital need for metals research. The Armour Research Foundation already has several war industry projects awaiting completion of the building and installation of the new equipment. The structure is a restricted area and not open to visitors at the present time. However, the new portion may be open for inspection following completion.

The building, when finished, will be equipped with a complete laboratory for research in molding materials, core ovens, core blowing and sand mixing equipment.

Included in the two bays already finished, are a well equipped analytical laboratory for metallurgical analyses, a \$20,000 Ajax induction furnace, a small five-pound Ajax furnace, a five-ton travel crane, a General Electric atmospheric control heat treating furnace, and other miscellaneous equipment.

Yet to be installed are a Lindbergh hump furnace, a 1,000 ton hydraulic press, a small rolling mill, a well equipped electric-plating laboratory, an X-ray diffraction laboratory, and microscopes and allied equipment for petrographic work, a complete laboratory for powdered metals research, a metallographic laboratory, several gas-fired melting furnaces, physical testing equipment for metals such as Brinell and Rockwell hardness testers and a large amount of special casting equipment for ferrous and non-ferrous metals. Space has also been provided for installation of pilot plants of various types.

● Elections

(continued from page 1)

leaving Irving Woolf and Herman Mirochnick opposing each other in the runoff.

Howard Eck and John Enander will enter the finals after the elimination of Leonard Kahan.

NOTICE—HELP WANTED
—RADIO HAMS
or even Radio Engineers
Contact John Conner in Rho Epsilon this Wednesday afternoon from 3 to 5:15 pm.

Navy speeds V-7 program

Through a newly accelerated officer training program, the Navy is offering enlarged opportunities to college graduates not over 27 years old to become commissioned Naval officers in a special year-end midshipmen's class.

Enrollment of a class of 1,800 must be completed within the next few weeks, Captain E. S. Root, Chicago, Midwest Director of Naval Officer Procurement, has revealed.

He announced that the special school, under the Navy's V-7 program, was ordered a few days ago to turn out a class of ensigns ahead of 1943 schools receiving next June's college graduates accepted in V-7. The special school, starting no later than January 1, will be divided between existing midshipmen training centers at Northwestern and Notre Dame universities, the New York Naval Reserve Midshipmen's school and the United States Naval academy.

Men in the special class will enroll as apprentice seamen in V-7 for four months' training in the Navy's wartime midshipmen schools. For the first month those accepted will be apprentice seamen in Navy indoctrination. For the next three they will be midshipmen.

Midshipmen completing the instruction successfully will be commissioned as ensigns in the United States Naval Reserve. Those who fail will be discharged to their former civilian status or, if they choose, may remain in the Navy in an enlisted status of their choice and qualification.

Aside from possessing degrees, applicants must show credit for a year of college mathematics. Men without that, however, may be accepted if they agree to complete such a course, correspondence or by personal attendance, within 90 days after enlistment.

Current speed in the program requires enlistments within the next few weeks. As a part of V-7, which also applies to college undergraduates, this special program is open to college seniors who will receive their degrees by January 1, 1943.

Both married and single graduates are eligible. The latter, however, must agree not to marry during their training period. Physical requirements include a minimum height of 5 feet, 4 inches and weight in proportion to height with a minimum of 124 pounds.

Opportunities for a lifetime career in the United States Navy exist in this midshipman training, for

10 cent raise for student assistants

Mr. Spaeth, Business Manager of Illinois Tech, announced about a week ago that a 10 cents per hour raise was given to all student assistants.

Why? Well, the administration felt that use of the students in school as assistants would be for benefit of both the students and the school.

The lure of higher wages outside the school caused the administration to increase the student assistant's wages. The wage level was raised from 40 cents per hour to 50 cents per hour.

Because of the limit of \$50 per semester on his earnings, such a raise would only benefit the student by lowering his working hours. To take care of this, the administration thoughtfully ruled that the students could now earn \$60 per semester.

NYA should not be mistaken for student assistants. Anyone can work as a student assistant, but since the NYA is government sponsored, aliens are barred.

"The Drunkard" to play for Techawks' benefit

"The Drunkard" is expected at Illinois Tech about the first of January for a short visit. Lest some outsider starts to wondering what goes on here, let it here be known that "The Drunkard" is not a high-flying Techawk, but a drama to be presented by our own Armour Players. This production is no sub-Shakespearean play, but a stirring melodrama. To add to the novelty, it will be presented in cabaret style, complete with knobby kneed and a hairy legged chorus line. The reason for the glamor boy dancers is that the whole cast is composed of males.

While most of the parts have been filled, there still are choice bits awaiting, especially for four jitterbugs. Where are these hep hounds who tore up the place during the Freshman Welcome Dance? Someone finally appreciates them. Other acts will be welcomed by either Miss Lucille Meyers, the play's director, or Larry Nadel.

Every play depends upon its production staff. So it is with "The Drunkard". All kinds of stage hands are needed, and they can offer their services next Tuesday, when there will be a Players meeting.

naval reserve ensigns, after a year at sea, may apply for transfer to the regular Navy.

Inquiries may be made at any Navy recruiting station or substation.

(ADVERTISEMENT)

ENGINEERS' COOPERATIVE

The Engineers' Cooperative has endeavored to fulfill the needs of all Armour students in the way of books this fall.

But we offer an apology to you men for whom we did not have the right books. An insufficient staff of workers plus poor shipping are the primary causes for the lack of books. We are doing our best to remedy the situation by adding ambitious juniors and sophomores to the board of directors and managing staffs.

The Engineers' Cooperative is a student-owned and student-operated organization. None of the students receive any pay for their services. However, our volume of business has increased to such an extent that very shortly a paid manager will be needed.

Fellows, this is your organization. It's more than a store; it is a working example of cooperation among men to serve themselves and others. The money you save is in proportion to what you buy; the more you buy, the more you save.

We would like you to share in this enterprise and make the Engineers' Cooperative the official book store of the students.