

## New Bacteriology at west campus

An accelerated program in Bacteriology and Food Technology came into effect February 8, 1943 at the West campus of IIT. This course is being offered because bacteriology is recognized by the War Manpower Commission as a critical occupation. Not only are the bacteriologists needed by the armed forces, in industry, and in civilian service, but there will be an increasing demand for trained food technologists after the war.

The work in the field of bacteriology consists of the use of bacteria, molds, and yeasts in the preparation of food products in the dairy, baking and meat packing industries, of the analysis of foods for quality control, and of the diagnoses of diseases by bacteriological examination.

In food technology, the task is the selection of the proper raw materials for the specific type of food product wanted. Of the highest value are the methods of preservation of food by canning, dehydration and freezing.

This course can be finished in two years and regular college credit will be given to any science student who may desire to take any of such courses. Detailed schedule of the subject can be obtained from the Biology Department.

## Mr. Fox injured

Last Saturday afternoon, February 6, Mr. Fox, cashier in the treasurer's office of IIT, met with an accident. Mr. Fox was found at 33rd and Wentworth lying on the pavement and unable to stand since he had torn the ligaments in his left leg and also in his left arm.

His rescuers were Ulysses Backas, Charles Kill, Mr. Callahan, Sonny Weissman, and Mr. Bibb.

## Evening School

(Continued from 1st page)

typical of new technical offerings. Others include: blue print reading for machine industry; practical laboratory technique; and corrosion.

For the women at war, the department of home economics will inaugurate three courses. These will be: consumer problems, home nursing and sanitation; and feeding the family in war time.

In order to accommodate the problems of the swing shift, overtime, etc., which now sometimes make it impractical to sign up for a full 16-weeks course, three courses are being sub-divided into eight-weeks units.

These courses are: elementary steam power plants, machine tool work, and welding. The latter two will not only be divided into eight-weeks units; they will also be offered on both campuses.

The ten pre-induction courses, which will be compressed into eight weeks so that men facing early call can take advantage of the technical training, are designed to help men qualify for commissions, special and technical ratings.

The ten courses include: Introduction to meteorology, map reading, military German, military Japanese, mathematics of navigation, physics of photography, mathematics refresher, piloting and dead reckoning, celestial navigation, and technical and military English.

In all, 158 courses will be included in the spring evening program at Illinois Tech. Registration will be held from Feb. 2 to Feb. 6, Wednesday and Friday, but consultations at other hours will be arranged. All students wishing to avail themselves of the consulting service will be given private interviews in addition to a small amount of group work.

## E E Department looks ahead

### Staff gears itself to total war effort

by Nat Stein

Keeping abreast with the other departments in the present war effort, the electrical engineering department has developed courses in several new fields. Accompanying these are illuminating engineering, industrial electronics and telephone engineering courses, improvements in equipment and expansion of laboratories.

oratories.

Laboratories at Lewis are being revamped, and a considerable amount of measuring and demonstrating equipment is being added for the illuminating engineering courses. This government financed co-operative course for those intending to do advanced work, is given in conjunction with the Chicago Lighting Institute and the Illuminating Engineering Society. Half of the students' time will be

spent at the Lewis Laboratories and half at the Chicago Lighting Institute. It is planned to extend the training offered in this field to provide one or more undergraduate and several graduate courses.

### Industrial electronics

Another important development is that of industrial electronics. According to Doctor Jessie E. Hobson, director of the electrical engineering department, applications of the principles of electronics in industry will become increasingly important after the war. Included in the new equipment added to the present electronics laboratory are electronic welding, motor, and process controls, and power rectifiers. Evening courses will be offered in this field as well as in telephone engineering, the instructor in the latter being sent from the Bell Telephone Company.

### Communications lab

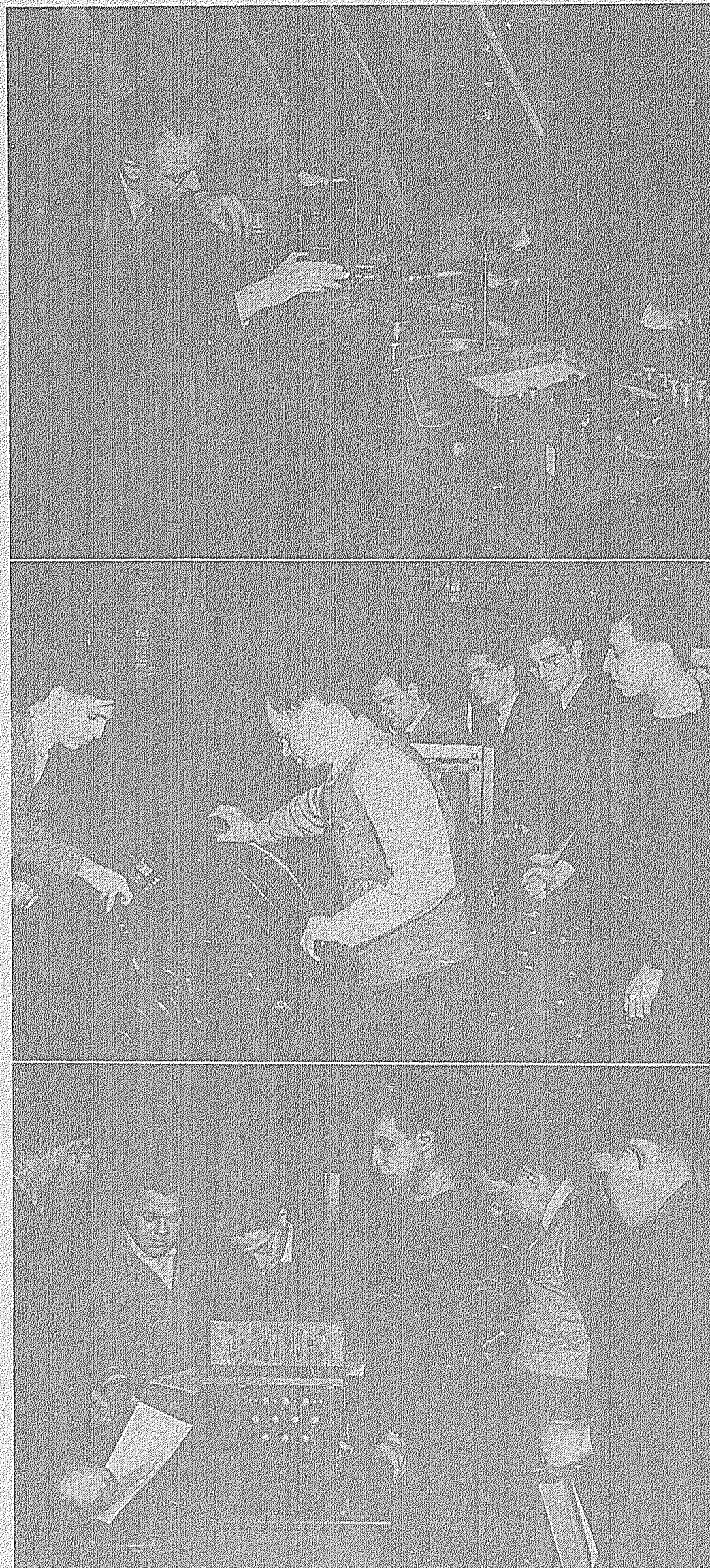
The communications laboratories, established about a year ago at Lewis, have been expanding so rapidly that now they are considered to be one of the best laboratories in the country, with several hundred dollars worth of equipment. There are four laboratories for instruction, each capable of handling 125 men. The transmitter laboratory has 15 commercial radio transmitters and an F-M station in the process of being built. There is also a research and development laboratory.

The ESMWT has also expanded with 18 courses in electricity and radio engineering along with evening courses being offered to the 1000 that registered. A signal corps teachers staff of 180 men help teach the 400 men in the enlisted Army Radio Operator School, the 750 men in the Reserve Advanced Electronics School, and the 150 men in the Reserve's ultra-high frequency school.

### The men behind it

The staff of the electrical engineering department has contributed generously toward the success it now enjoys. Its directors, Dr. Hobson, is one of the youngest men in charge of a department at this school. He is aided by Dr. Freeman, Dr. Reed, Professor Manning, Professor Nash, Dr. Roys, Dr. Higgins, Mr. Schulz, and Mr. Anderson. Their assistants are Messrs. McGrier, Bunce, Takle, Messinger, and Pollock.

## Juicers at work



Top: Adjusting meters  
Middle: Operating a motor  
Bottom: Experiment on oscilloscope

### '44 Integral staff

Up to the present time the editor-in-chief Harry Beach and Ted Pilot Armour editor, had not completed their staff appointments. A meeting was held Friday for the purpose of completing appointments and the laying of the groundwork for the 44 book. The men so far appointed are: Nat Stein, senior editor; Ed Johnston, photography editor; Cliff Oliver, sports editor;

Berggren and Yoxen, co-photographers; George Erkert, society editor; Vic Graziani, honoraries; Jerry Houle, fraternities.

ITSA MEETING  
Wednesday 2:00 p.m.  
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All students invited

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Have you seen the new wire recorder, the electron microscope, or the ultra-modern darkroom in the Research Foundation? Reporters of TECHNOLOGY NEWS have seen all of these in operation. They have come into contact with the faculty, student organizations and outstanding personalities on the IIT campus.

At the present time TECHNOLOGY NEWS is in a position to add more reporters to its present staff. Any student interested in becoming a reporter should fill out a program card and place it in the assignment box on the first floor of Chapin, first entrance.