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ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, ILLINOIS

December 2, 1940

Lewis States Plan for New B. A. Co-ops

Co-operative curricula in business administration and industrial management will be inaugurated at Lewis Institute on February 3, 1941, and will be open to both men and women. Following the popular "co-op" plan at Armour, students will alternate every eight weeks between school and a position in industry and will receive their bachelor of science degree at the completion of the fifteen school terms.

This program will provide a means for qualified high school graduates to earn part of their college expenses by working half time and yet complete a four-year college course in five years. Valuable services will be rendered to the employers of this selected group of men and women as undergraduates and will have the advantage of possible continuation after graduation.

Leadership Required

Students entering the course will come either as recent high school graduates and receive a position through negotiations by the Institute, or certain unusually capable employees of various companies may enter if they have the proper scholastic requirements. Admission to the course will be limited to those having qualities of leadership as well as scholarship, giving attention to high school attainments, individual interviews and entrance tests. Wages earned during each eight week period will be used by the student to meet his obligations to the Institute. Changes in employer will always be made with consultation of the co-ordinator.

Training for business adminis-

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Tau Beta Pi's Pledges Enter Essay Contest

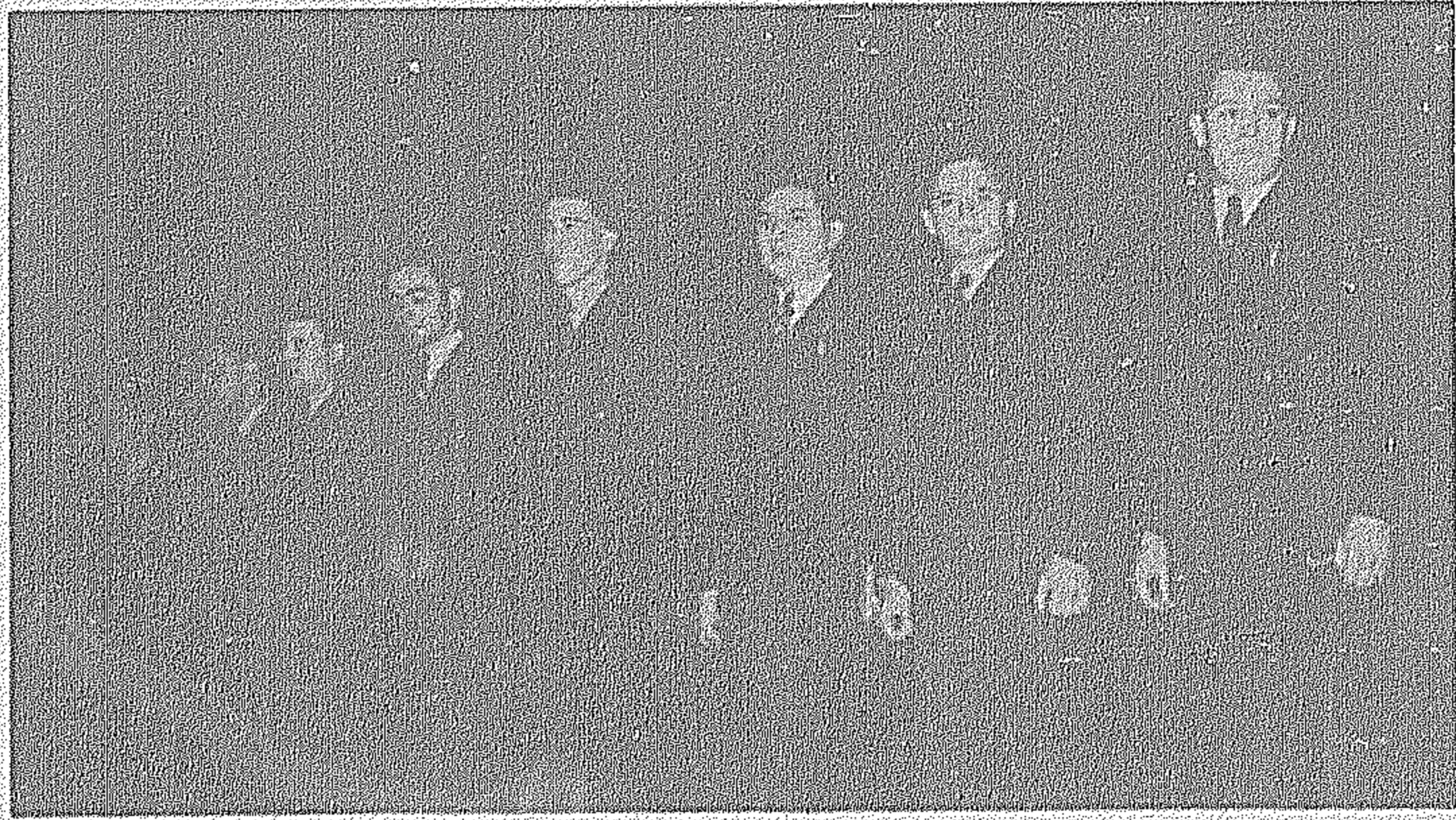
In a brief but impressive ceremony, held in the auditorium of the Student Union Wednesday, Nov. 21, eight candidates were pledged to Tau Beta Pi. As he has so ably done in the past, Professor Spears conducted the pledging and concluded the program with a short talk congratulating the pledges. As each candidate's name was called, he came forward and was formally inducted by an older member.

The eight pledges included three co-ops, three electricals, one chemical and one fire-protection engineer. These men thus mark the thirty-fourth anniversary of Tau Beta Pi on the Armour campus. The men are Paul Beckmann, S. Walter Meyers and John Kucera, cooperative students in mechanical engineering; L. Naum, B. R. Cole, and M. Skoller, senior electricals; Richard Larson, senior fire-protect; and Charles McAleer, a senior chemical.

Pledge Duties

Each pledge as one of his duties must prepare a paper which may be either technical or non-technical in nature. The pledge presenting the best paper receives an award of five dollars.

EIGHT MORE FOR TAU BETA PI



Line up of new Tau Beta Pi's at pledging ceremony conducted by Professor Spears on November 20. Left to right are: Marvin Skoller, Lionel Naum, Walter Meyers, Charles McAleer, Richard Larson, John Kucera, Benjamin Cole, and Paul Beckmann.

by Paul Leopold, Staff Photographer

Interviews Will Be Given High School Seniors

Bright high school seniors with engineering ambitions will have their chance for a year of free tuition at the Armour College of Engineering in the scholarship examinations offered by that school. The Registrar's office will be open for personal interviews of the applicants from November 25th until January 8th, with the exception of the period of the winter recess.

Three Hour Exam

Algebra, high school chemistry, and high school physics will be the subjects of the written examination to be held at the college on Saturday, January 11th. The 9:00 a.m. 'til 12 test will be one of the factors effecting the board's choice, as will be the applicant's high school record, his personality, his extra curricular activities, and his general fitness to be a member of the engineering profession.

Headed By Winston

As head of the board of sixteen faculty men responsible for the picking of the scholarship students, Professor Stanton E. Winston is the person to communicate with in regard to any of the aspects of the appointment of the five available scholarships.

G.E. Interviews Senior Juicers For Placement

At the present time, the Placement Office of Illinois Institute of Technology is very active in obtaining interviews for students desiring work after graduation and during the Christmas vacation period. It is very important that all interested students watch the placement bulletin board carefully.

Last Friday, November 29th, General Electric Company representatives interviewed many seniors in the mechanical and electrical engineering departments. Swift and company is planning future interviews with students of Illinois Institute of Technology and plans are underway for student interviews with the Institute of Paper Chemistry of Appleton, Wisconsin. Another paper concern, the Kimberly and Clark Company of Neenah, Wisconsin will do similarly.

According to the present trend, in the following months there will be a heavy demand for interviews with students of Illinois Institute. Seniors are requested to turn in their records and photographs to the Placement Office. If prompt action is not taken, some seniors

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Death Knell Sounded for 'Old Nell' As She Leaves in 'Field' of Glory

By Paul Kochale

Many times electrical students have listened in awe to some of the hair-raising tales related by their pedagogues. They then wander listlessly into the electrical laboratory, thinking to themselves that in general life is pretty dull. The conglomeration of bell wire, ammeters, voltmeters and resistance boxes seems to lose the appeal it once had. This was not the case in the Tuesday morning lab section, however. Alas, and alack, the old faithful motor of the crocker-wheeler set that has stood in the north-east corner of the dynamo laboratory these many years is no more. "Old Nell," as she has been affectionately called, met with an accident. It seems as though her field was accidentally opened, and she ran away in her enthusiasm.

When it was all over, which in-

cidentally was only a matter of about five seconds, the armature conductors were almost all thrown off, the pulley sheared off, her shaft misshapen, and her feet uprooted from the floor. Luckily, the armature jammed before the commutator flew apart, as Professor Reed and several students were standing right in line with the machine when it all happened. Lawrence Rademacher made a desperate effort to pull the line switch, but was just a fraction of a second too late, only to see the switch drop off into a pile of molten copper. Strangely enough, the protective fuses in the line held throughout the incident.

The moral to this story is that laboratory experimentation is not divorced from the danger that exists in the commercial field. Although "Old Nell" has gone to her final resting place, every one is thankful that no one was injured.

"Town and Country" Hop Next Friday, Lewis Gym

First Co-op Group Commencement To Be Staged Jan. 29

Having completed five years of work and study, Illinois Institute's first cooperative class will be formally sent out into the world as engineers on January 29, 1941. Fifty-eight Co-op seniors will be represented at the commencement to be held in the auditorium of the Rosenwald Museum of Science and Industry. The speaker at the exercises will be Mr. Alfred Kaufmann president of the Link-Belt Company—one of the larger companies cooperating with Illinois Institute's work-study plan.

In this week, its last week at school, the "A" group must complete all the arrangements necessary for graduation. Measurements for caps and gowns will be taken this afternoon, the jewelry committee will have the class rings and keys this week, and orders for commencement announcements are now being taken.

Party at Edgewater Beach

To mark its last day at school, the graduating group will hold a closed smoker this Friday eve-

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PROF. YELLOTT TO PRESENT PAPER BEFORE A.S.M.E.

Beginning Monday of this week and continuing to Friday, December 6, the American Society of Mechanical Engineers is holding a national meeting at the Hotel Astor in New York City. Professor Stanton E. Winston, Professor Carl G. Anderson, and Professor J. I. Yellott, will be the representatives from Illinois Institute of Technology. At the meeting Professor Yellott will present a paper entitled "A New Steam Engine and Boiler."

Descriptions are presented by the paper of a new type of steam engine and a forced-circulation boiler. The steam engine and boiler were designed by Mr. S. L. G. Knox of Englewood, New Jersey, and were tested by Prof. Yellott. The engine has a maximum capacity of 90 horsepower and is a high speed compound reversible unit with uniflow exhaust being an engine in which the direction of rotation is reversed by changing the direction of the steam. This is accomplished by using one set of ports in the valves as steam admission ports in one direction, and as exhaust valves in the other direction).

High Torque

The outstanding feature of the engine is the valve gear, by which a number of useful functions are performed without introducing more moving parts than the minimum number required for a simple nonreversing engine with the same number of cylinders. Most important of these functions is the provision of expansion and the automatic increase of torque at starting and low speeds, without additional mechanism. The result of the special features of the engine is a steam consumption of 14.6 lbs. per bhp-hr (noncondensing), and an engine efficiency of

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"Knights Of Armour" To Supply Music

Next Friday, December 6, the Lewis gym will be decked out in its gayest ensemble for the first I.I.T. dance to be held at the Lewis campus. This will be the second I.T.S.A. all-school dance of the year. The first one, given in the Student Union on October 18, was attended by over two hundred students.

The "Town and Country" theme of the decorations will be carried over into the dress of the dancers. In gay gingham, plaid shirts, and blue denims, the dancers will be easily recognized as our country cousins. They will be found in their own rural habitat around the band stand where the city slickers, not to be outdone, will appear in their Sunday best. The Knights of Armour will render the syncopations for the rustic square dances as well as the sophisticated rhumbas.

Eight o'clock is the hour that country meets city, and at the stroke of twelve they will again return to their element. The cafeteria, which is but a short walk from the country, will be open. Cokes and cider will be served to the hillbilly as well as the Wall Street broker, but not the wall-flower.

Tickets are on sale now at either campus for twenty-five cents, although admission may be paid at the door.

Alda Kairis, chairman of the Activities Committee at the Lewis division, has appointed Bob Weiss, chairman of the decorations. The members of the Activities Committee have cooperated with Alda to make this dance the outstanding social event before the closing of '40.

THIS WEEK AT IIT

TUESDAY:

Wrestling Meet, I.I.T. vs. Hyde Park, Gym at 3 P.M.
ITSA Meeting, East dining room, 4 P.M.
Accordion Orchestra, U2W, 5-6 P.M.
Inter-fraternity Council Meeting, East dining room, 5:30 P.M.

WEDNESDAY:

Sigma Beta Theta Candy Sale (Lewis), 2nd floor lobby
Chemistry Lecture, East dining room, 9 A.M.
Hockey Meeting, U2W, 4 P.M.
Badminton Match, Lewis Gym (I.I.T. vs. C.T.C.) 3 P.M.
Arx Society, East dining room, 7:30-10 P.M.
Glee Club (Lewis), Auditorium, 3 P.M.

THURSDAY:

General Basketball Assembly, Armour Auditorium, 11 A.M.
Basketball Game, I.I.T. vs. C.T.C., Armory, 4:15 P.M.

FRIDAY:

Delta Lambda Xi, East dining room, 10 a.m.
A.I.E.E., U2W, 10 A.M.
ITSA DANCE AT LEWIS, 8-12 P.M.

SATURDAY:

Ladies Auxiliary Card Party, Julia Beveridge Scholarship, Lounge, 7:30 P.M.
Basketball Game at Lake Forest