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Placement Dept. Gets Interviews For Class Of '41

The placement department of the Armour College of Engineering has launched itself on another busy year of service to the students.

As always, the efforts of the placement office are centered on the seniors and their hopes for positions upon graduation. Interviews with prospective employers are already underway and application forms should soon be ready. In connection with this, the office requests all seniors to pay close attention to the notices which are placed regularly on the placement bulletin in the Student Union.

Applications Accepted

Mrs. Carroll will be glad to receive the applications of students desiring part time and holiday employment. Notices of opportunities for part time employment also appear frequently on the placement bulletin board.

The success with which Mr. Schommer has been operating the placement department is shown by the splendid record that has been achieved with regard to the placement of 1940 graduates. Of a total of 175 graduates, all but three chemicals have been placed. The positions obtained were of a desirable nature, for example the recent placement of a mechanical with the Lockheed Aircraft Corporation of Burbank, California.

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CHEM MEETING HEARS TALK ON OIL INDUSTRIES

"Processing of Petroleum" was the subject of a talk given by George Orescan at the regular meeting of the A.I.Ch.E., held in room 202M, at 10 A.M., Friday, October 18.

As early as 1800 crude oil which seeped through the ground was known as shale oil or coal oil, similar to kerosene. Most of the more volatile components of this crude oil had evaporated by the time it was taken up from the ground, so that kerosene was the best product obtainable from this shale oil.

History Cited

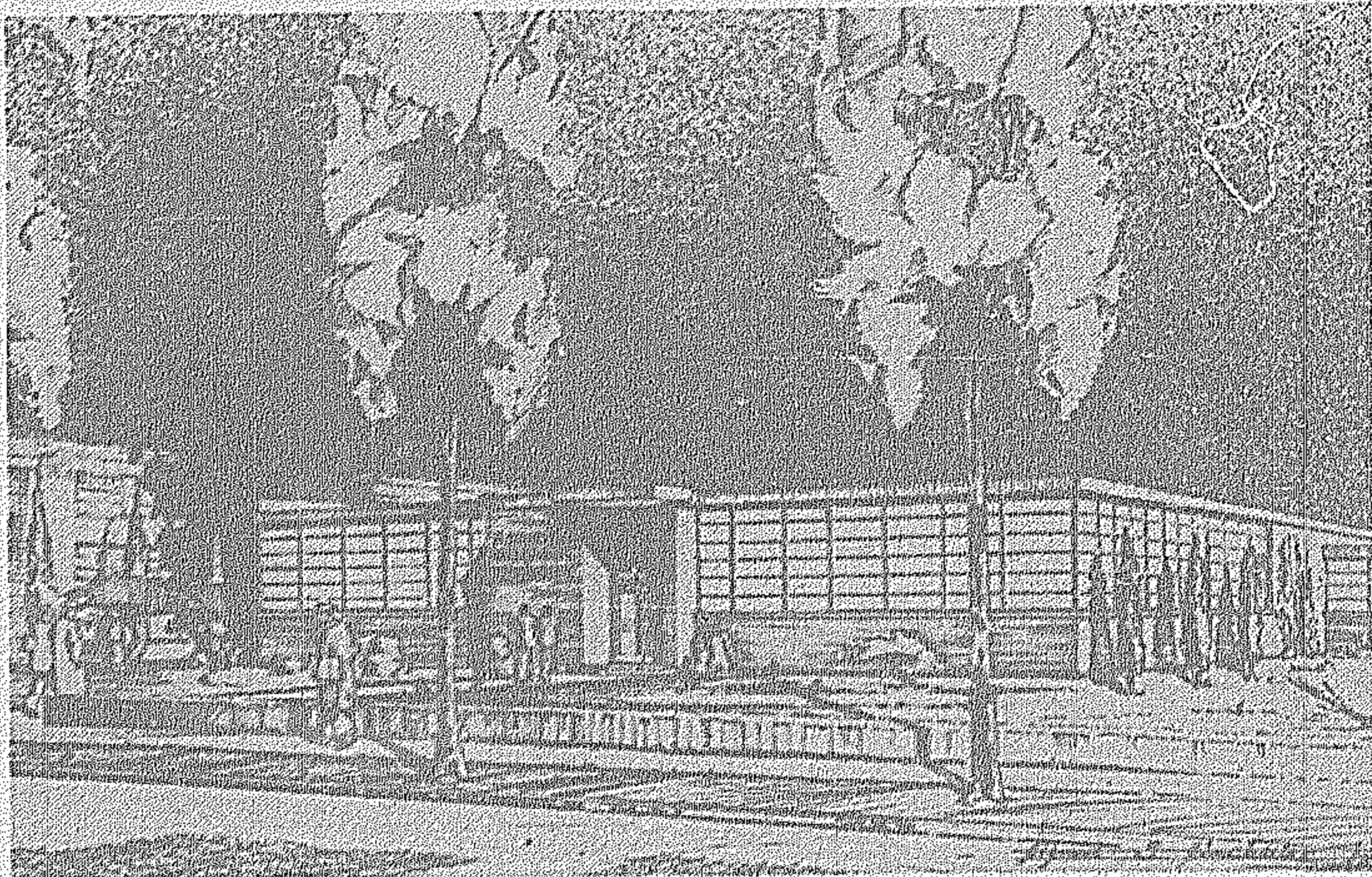
The first crude oil well was discovered at Titusville, Pennsylvania, in 1859 by a man named Drake. After Drake's discovery, it was found that this crude oil contained more volatile substances, but at that time as there was no use for any product lighter than kerosene, the gasoline was discarded. It was not until the advent of internal combustion engines that this gasoline was saved for use.

Illustrates Lecture

Mr. Orescan, using an illustrated chart of a modern crude oil refining plant, explained the different processes through which the oil must go to obtain the various products.

The capacity of the Cities Service refinery is approximately 30,000 barrel every 24 hours. This plant processes all the products of crude oil with the exception of paraffin wax and lubricating oils.

ARCHITECT'S SKETCH OF NEW STRUCTURE



Courtesy of Armour Research Foundation

This building, now under construction at Illinois Institute, will be the scene of feverish research activity in the near future as a center of student laboratory instruction and expanded research projects.

Arx To Conduct Semi-Formal At Medinah Nov. 8

Illinois Tech has been expectantly awaiting news of the *Arx Dance*, which each fall formally opens the social season on campus. We need wait no longer, for the date has been set and once again the event will be staged in a manner which sets it off as one not to be missed.

Medinah Country Club is Site

November 8, 1940 is the number to mark on your calendar. On this Friday evening at 9 o'clock, some 300 couples will gather at the Medinah Country Club to enjoy a genuine thrill in dancing to the music of Henry Carlson and his orchestra.

Bids Out

Bids are out and may be obtained through any Junior Architect or at the information desks at Armour College and Lewis Institute. The purchase price is \$1.50, which brings to the student an attractive and enticing bid done up in a harmonizing combination of imitation cork and dazzling green.

Juniors Decide On Commission Rule

Profiting by the experience of the class of '41, the present junior class has adopted, in a meeting held Friday, October 11, a modified commission form of government. Individual officers, i.e., president, vice-president, etc., will be elected as well as two commissioners from each department. The officers will be elected Friday, October 31, 1940, and each department will select its commissioners by a departmental vote. A committee was selected by the class to administer the election.

Submit Petitions

All candidates, to be eligible, must submit, to the election committee, a petition with more than 25 names of qualified members of the junior class. Included with this petition must be a photo of the candidate. Any petitions turned in after noon, Oct. 25, will not be accepted.

Those elected to the election committee are: E. R. Ther, R. G. Neuhaus, F. Jencius, R. T. Mankus, G. Orescan, and J. J. Walker.

Students Give Two Talks At AIEE Meeting

Concentrating on subjects of the utmost timeliness, members of the A.I.E.E. student branch at Illinois Tech listened to two important technical talks by students last Friday.

Papers were presented by Vito Edutis on automatic train control and Paul Kochale on fluorescent lighting. Talking on a subject in which he is vitally interested, Mr. Edutis explained that automatic train control is simply control of certain phases of the train's operation without the aid of the engineer. One of its most important influences is that it can and may do away entirely with block signals.

New Opportunities

In his talk on fluorescent lighting, Paul Kochale explained that it depends on the phenomenal glowing colors assumed by certain minerals when exposed to ultra violet rays. The color to be produced depends upon the type of mineral powder used. The advantages gained by the use of fluorescent lighting are numerous. Fluorescent lighting is much superior to incandescent lighting in that the heat generated by fluorescent light is much less. The intensity per unit area is smaller and consequently shades are not necessary. Fluorescent lamps are more efficient, thus necessitating a lower operating cost although initial purchasing cost is quite high at this time. Mass production is expected to lower this cost in the future.

Drama Club To Present New Play

Both Lewis and Armour dramatic groups have merged. Actors from both groups will be available for plays at either school. Armour men will be used in male parts in Lewis plays, and Lewis girls will be available for feminine parts in Armour casts. A short one-act play entitled "The Prologue to Key Largo" will be given by both Lewis and Armour actors sometime before Christmas.

Ultra Modern Structure For Research Foundation

Roesch Again Hon. Chairman Of A. S. M. E.

Experiences of an inventor and help he derived from membership was the topic of Chris Reimuller's talk before the recent meeting of the A.S.M.E. He stressed the importance of being able to mix with other people. A high light of the meeting was the re-election of Prof. Roesch to the honorary chairmanship of the organization.

Any one interested in the Charles T. Main award was invited to enter in competition. Competition consists of writing a paper on the subject, "The Need and Possibilities of Participation by Engineers in Public Affairs." Pamphlets containing rules were distributed to those interested.

Dick Nolte, Chris Reimuller, and Bud Murray were introduced as chairmen of the membership, program and publication committees, respectively. Pres. John Sauvage stressed their importance. He also promised some entertainment for future meetings. The calendar of future meetings for the A.S.M.E. have been set for every two weeks, with the possibility that others may be injected when needed.

BODER ANNOUNCES DATE FOR FIRST PSYCHOLOGY MEET

Professor David P. Boder, executive director of the Psychological Museum, announced last week that December 6 has been chosen as the date for a symposium on "Psychology and Legal Procedure" to be held at the theater of the Chicago Women's Club. The University of Chicago and Northwestern University, together with the Illinois Institute of Technology, are cooperating with the museum in order to assure the success of this symposium. The Chicago Bar Association and several other law schools have been invited to cooperate.

Although the program is as yet incomplete, Professor Harry Porter Weld of Cornell University and Professor Stuart Henderson Britt of the George Washington University, who have distinguished themselves in research on problems referring to court procedure, will be the main speakers.

Purpose Twofold

According to Dr. Boder, "The purposes of the Psychological Museum are twofold; on the one hand, we direct our attention toward problems not frequently explored by psychological laboratories, but of promising importance to the workers in the other well established professions. It seems important from time to time to take stock of the scientific soundness of established procedures referring to conduct and mental activity; procedures which have been established and taken for granted much before present day experimental, as well as statistical, psychological techniques have been available. Responding

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To House Auto And Diesel Laboratories

Construction of the scope usually associated with the WPA, but with the industry associated with the Illinois Institute of Technology has characterized the activities of the construction crews working on the vacant lot at 33rd and Dearborn. Chesty bulldozers, powerful tractors, constantly-operating concrete mixers, and busy workmen are all contributing to the prompt completion of the ultra-modern, 10,000 square foot addition to the Research Foundation's facilities. Completion is promised on or before Nov. 1, 1940.

Space Allotted

A member of the board of trustees, Mr. Alfred Alschuler is the architect for the single story structure, and his preliminary sketches show construction of brick facings and glass panels, there being no basement. The building will rest on a foot-thick slab of reinforced concrete which is now being poured. Fifty per cent of the space will be allotted to general laboratories, twenty five per cent to the auto laboratories, and the remainder to machinery and workshops, including a Diesel engine testing lab.

Details are available only for the Diesel laboratory, which will have five block-mounted engines. These will be fitted with instruments to measure horsepower, fuel consumption, etc.

Linemen worked for several days to re-route power lines hanging over the site of the building.

CONDON PRESENTS A.S.C.E. LECTURE

"Some Engineering Not in Books" was the title of an address given by Theodore L. Condon to A.S.C.E. at the meeting Friday, Oct. 18. The main topics covered were reinforced concrete and the settling of buildings.

After twelve years of engineering Mr. Condon became interested in reinforced concrete and induced Prof. Howe, a former teacher, to conduct some experiments. A short time later Mr. Condon used the results of these tests in designing a roof for two filter beds.

THIS WEEK AT I. I. T.

Tuesday:
Sigma Omicron Lambda Rush Luncheon
Lewis Drama Club at 2:00 in the Auditorium
Wednesday:
"Sigma Beta Theta Rush" Luncheon
Lewis Glee Club at 3:00 in the Auditorium
Thursday:
Lewis Drama Club at 2:30 in the Auditorium
Friday:
Kappa Phi Delta Rush Luncheon
Monday:
Lewis Glee Club at 3:00 in the Auditorium