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MR. VAGTBORG TO LEAVE ON 7 WEEK TOUR

Party Of Forty Goes To South America

Mr. Harold Vagtborg, director of the Armour Research Foundation, has been named a member of the National Research Council Committee which will make an industrial exploration tour of South America. Upon its return, the Committee will make a report to the Department of Commerce on the industrial possibilities of Colombia, Peru, Chile, Argentina, Uruguay, and Brazil.

The party will be made up of forty research, industrial and banking executives. Of these, however, only a small number will comprise the National Research Council Committee.

The tour will occupy approximately seven weeks. Most of the travel will be done via Pan-American Airways. The prime objective of the tour will be to assist the industrial development of the more progressive South American countries through the application of American technology. Sources will be sought for raw materials which may find more extensive markets in this country, especially in the fields of vegetable oils, fibers, minerals, pharmaceuticals and native South American woods.

In commenting on the expected results of the tour, Mr. Vagtborg said, "We feel that there has always been a close interdependence between the North and South American countries, and this type of program should assist materially in bringing joint plans to a successful conclusion."

One of the main reasons for the selection of Mr. Vagtborg as a representative from the Chicago area centers about his record as director of the Research Foundation.

A native of Copenhagen, Denmark, Mr. Vagtborg obtained his Bachelor of Science degree at the University of Illinois in 1926. From 1931 to 1938 he served as professor of municipal and sanitary engineering at Armour Institute of Technology.

Seniors Deluged By Job Offers

John J. Schommer, director of the placement department, has released the following statistics on the activities for February:

There were 4200 incoming and outgoing telephone calls in the office and one to three interviews apiece were given by various firms. There were more than thirty-four firms from all over the United States giving interviews. Besides its regular work the department has been doing its share in national defense by supplying 259 applications to the Navy and 30 to the Army. Not included in the total number of interviews just given are the great number of boys who went to the firms for the interviews.

"Uncle John" has many letters on his desk thanking him for jobs which are now paying \$200 to \$300 a month.

Last Friday the Lockheed Air-
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WAS EVERYBODY HAPPY? YEA MAN



Just a few of the many happy people at the long awaited Junior Formal. In the upper left foreground we find Ginny Walton, Welk's singer. Across from them we find Dr. Davy singing a chorus to the accompaniment of Welk's band. Dropping down we find two tables of Techites enjoying themselves.

Staff Photos by Anderson

Everett S. Lee Splits Seconds For Engineers

Seven-millionths of a second! Hard to conceive? Not for a research engineer like Mr. Everett S. Lee of the General Electric laboratories who spoke before the Armour College students last Friday.

Lightning has been the most devilish prankster to electric power lines. Mr. Lee and his associates have studied and measured its effects. The results are most startling. One bolt of lightning, of only seven-millionths of a second, duration builds up a potential of from 750,000 to several million volts. The measurement of these high voltages, through the use of oscilloscopes, was only one of the problems which had to be solved by the research division.

Sheet steel production many years ago was averaging 300 feet per second. Today through the use of automatic guage and regulating devices, which kept the thickness constant, the production has been increased to 1500 feet per second. In the textile industry photo-electric cells have been utilized to check the weave of cloth. Whenever the weave goes askew, automatic adjustments are made by the photo-electric cell arrangement.

Recording color analyses are playing an ever increasing part in our daily lives. Articles placed before the analyzer are tested for their color reflection. A graph is automatically produced which shows the percentage of each color reflected by the object. Mr. Lee has made color tests of his pay check, yarns, paint pigments inks and even of his favorite apricot brandy. A color may be duplicated at some distant point in a very short time by simply sending a graph showing its color composition.

Musical Clubs Play March 14 At Goodman

On Friday night, March 14, the one hundred and fifty vocalists and instrumentalists of the musical club will present a concert at the Goodman Theater. The program will consist of many interesting choral and orchestral selections.

Mr. O. G. Erickson, the club director, said recently that the club is fortunate in having four very accomplished soloists this season. They are: Robert Hemman, baritone; Robert Mead, tenor; Gus Mustakas, violinist; and Roy Hrubes, trombone.

This is the seventh season that Armour has presented its program at the Goodman Theater. The club formerly sang as representatives of Armour Tech, but this year it performs under the name of "Illinois Institute of Technology". As an added feature, the girls' glee club of Lewis Institute will be heard in a group of special numbers.

Ticket sales have been very good, and indications are that once more the club will attract a capacity audience.

Lewis Players Now Have Play Selected

Barrie's *Spring Dance*, a refreshing collegiate comedy has been chosen for production on April 25 by "The Lewis Players." "Spring Dance" was selected in preference to many other plays which were under consideration of the group because it is especially suitable material for a large cast.

Though the entire cast has not yet been chosen, Jane Goelt has been picked to play the leading role. Jane, who is a senior, has appeared in *Two On An Island*, *Ladies of the Jury*, *You Can't Take It With You*, and many other Lewis Players successes.

Loop Fire Gives Late Engineers Perfect Alibis

Well, we finally ran into an airtight alibi for being late to class! It was the slight blaze (5-11 fire) which broke out early Wednesday morning and lasted almost the whole day. The number of students made late because of it was an even hundred. As a matter of fact, people due on the campus at 8:10 a.m. became existent thereon from 8 a.m. to 10:45 a.m.

The comments of the tardy students will suffice to tell the story. "Managed to get to Quincy and Wells—a Jackson Park was waiting—got on—'ding ding' went the signal—juice turned off—got off J.P."

"Boy! The loop was a mess. They sent the trains into the stub and then made us walk. It seemed funny to see trains going both ways in the loop; some empty and others stalled."

"Well, I was somewhat lucky but plenty delayed anyway. I got on a train that went on the local track and passed up half a mile of expresses finally ending up in the stub."

"Being late anyway, I decided to walk around and take a look. The streets were so full of fire hoses that you could hardly take a step without tripping over one. Six 6-inch hoses from the river brought water from a fire boat which bobbed around in the swirling water. The engineer in the boat, sweating in his shirt sleeves, would feel a bearing and then jump for the oil can. The engines on the street, including some new streamliners, were running at top speed with their hoods removed. A four inch hose connection sprung a leak—it sprayed up to the "L" structure—a fireman put an apple crate over it, but as soon as his hands were lifted, the box shot up and smashed itself on the structure."

"I had to walk through the
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1500 TO TRAIN UNDER SECOND DEFENSE PLAN

Professor Yellot Again Heads Program

President Henry T. Heald, President of the Illinois Institute of Technology, recently announced that confirmation had been received from Washington authorizing Armour College to proceed with the training of 1500 additional persons under the supplementary engineering defense training program.

In January of this year, the Institute enrolled 1600 persons sponsored by government funds. The courses were designed to forestall a shortage of trained men and engineers vitally important to defense industries.

The second program, now being organized, will contain in its curriculum many of the courses offered under the first program. This is due to the fact that Chicago industry is sorely in need of trained personnel who can cope with inspection methods, personnel selection, and training. In addition to these specialists, many who have knowledge of explosives, steam engines, and others will be trained under the second program.

No tuition is to be charged for any of these courses. The entire cost of the program will be underwritten by the Federal Government thru a congressional appropriation. The student will be expected, however, to supply his own textbooks and drafting instruments.

The courses to be offered are in many instances duplicates of courses offered under the first program. They are on such a level that the pre-requisites for enrollment in certain of the courses require as much as four full years of college engineering study or the equivalent in industrial experience. Other courses require college training in mathematics, while still others require only graduation from a technical high school.

According to Professor J. I. Yellot, chairman of the Defense Training Committee, the program is not to be regarded as a general engineering education, and is not designed to supplant the regular four-year course offered by the Institute. No college credit can or will be given for completion of any of the courses. Professor Yellot emphasized the fact that "the student is under no obligation to the Federal Government other than to apply himself diligently to his studies."

THIS WEEK AT IIT TUESDAY:

Casting for play, Lewis Auditorium, 1 p.m.

WEDNESDAY:

Polygon pictures, Lewis

FRIDAY:

ASME meeting, 10:10 a.m.
AICHE meeting, 10:10 a.m.
ASCE meeting, 10:10 a.m.
FPES meeting, 10:10 a.m.
AIEE meeting, 10:10 a.m.
Armour Eye Open House, 7 p.m.
Polygon pictures, 1 p.m.
Badminton, 2:30 p.m.
Archery, 2:45 p.m.
Bowling, 3 p.m.
Girls' Chorus, Armour, 3 p.m.