

# TECHNOLOGY NEWS

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## ACSA Sponsors Informal Dance For Two Schools

By Chester Swan

Two great institutions have combined their educational and financial assets; it now but remains to unite their student bodies into "one fraternal family."

To the culmination of this end, the Armour College Student Association is sponsoring an informal "get-together" on Saturday evening, October 19, from 8:30 to 12 o'clock, in the Student Union. Dancing will be held in the Auditorium, and both the Lounge and Lunchroom will be open for that "pause for rest and refreshment." Music for the occasion will be provided by the "Knights of Armour," a talented student orchestra, which has received loud acclaim on its previous appearances.

This dance is unique, in that it is much more an "open-house" than a bona-fide dance. The admission for this gala affair (mark these words) is only twenty-five cents for the gentlemen and nothing (free entrance) for the ladies.

Beautiful music — harmonious surroundings, pretty girls—the atmosphere of fraternal kinship; all will aid in marking this as the first important step in Armour-Lewis social relationships. Armour and Lewis men should regard the occasion as an opportunity to display their "co-operativeness" and their ability (which is no mean one) to "trip the light fantastic" with some of our co-eds.

## 'Magnitude of Million' Shown at Rosenwald

by Herman Tachau

"How much is a Million" was the topic of an exhibition offered to the public by the Department of Mathematics at the last "Open House." This exhibit is composed of posters describing and illustrating in various ways the magnitude of one million.

Exhibit to Rosenwald

On June 21 Dr. Ford took his Ford and drove the "Millions" to Rosenwald Museum of Science and Industry, where they have been displayed to the general public. The big board covered with one million dots was left behind because it took up too much room. The cozy bathroom scene illustrating one million cubic inches and one million gallons of water aroused some argument. Inasmuch as it was "too immoral," and since "the public are awfully funny people," it was finally decided to discard this beautiful poster. On the other hand, it seemed safe to put the gold cube, valued at \$1,000,000 into the display window. The reason for trusting people not to remove this huge sum of money is that it would be too heavy to carry away.

Still on Display

The posters comprising this display were prepared by the students of Dr. Ford's special calculus section (Math 209), and therefore they reflect the genial brainstorms of these super-mathematicians. They are still on display and can be found on the main floor near the main entrance of the west wing of the Rosenwald Museum which is located near the Outer Drive at 55th street in Chicago.

## TERMITES?

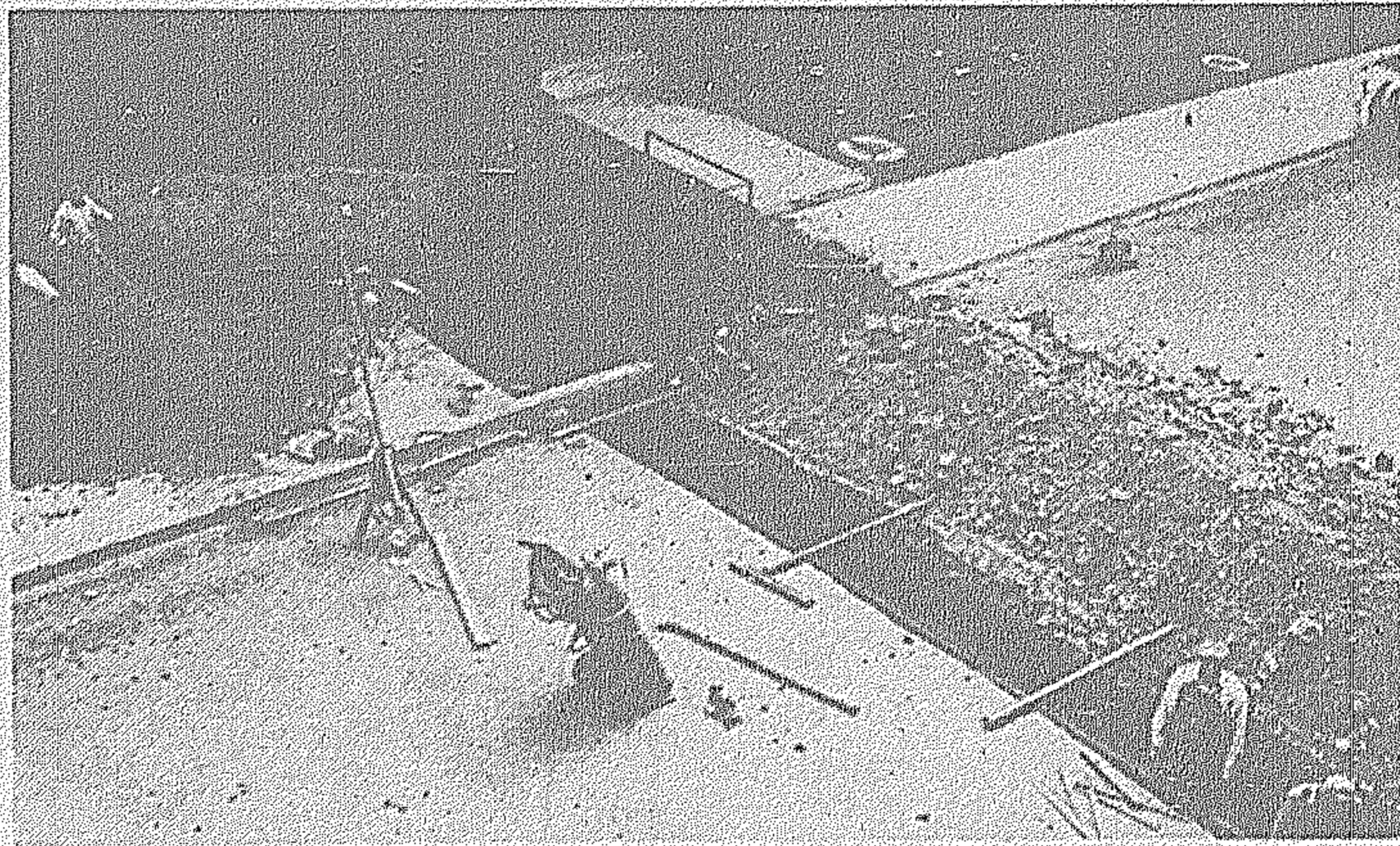


Photo by Staff Photographer Ed Center

Be not dismayed—this is not a part of the Illinois Institute defense preparations! The above dent in the earth around which Armour students have been detouring for the last few days is a new steam line being laid between the Physics Building and the Main Building.

Mr. Koster, superintendent of buildings at Armour College estimates that the work will be completed in about one week. Besides an eight inch pipe line for the heating system, a four inch return line, a one inch vacuum line, a six inch conduit to contain electrical cables, and a high pressure line are also being placed in the same excavations. The high pressure line will find use in the Research Foundation laboratories. Between the Main Building and Machinery Hall another steam line has already been completed.

## Civil Pilots Delay Training To Oct. 14

by Matt Ciembronowicz

Failure to receive books for the primary ground school of the Civil Pilots' Training Program has resulted in plans to start Oct. 14, instead of earlier as originally intended. The classes will be held from 5 to 6 P.M., five days a week. Dr. Arthur H. Carpenter will teach both Meteorology and Air Navigation, each course taught for 24 hours. This makes a total of 48 class hours of ground school work to be taught at the Armour College of Engineering. In addition to the minimum of 40 hours and a maximum of 50 hours of flight training, the remaining 24 hours of the ground school work which will consist of, engines, flight theory, Parachutes, instruments and radio, will be taught by flight instructors at the airport.

Because of the change in the date of starting the ground school work, the time limit for receiving applications has been changed to Friday Oct. 11.

Begins Oct. 16th

In addition, Illinois Institute of Technology maintains high scholastic standards, it is urged that men intending to take the flight training make application at once so that there may be time for the necessary preliminary examination before classes start. The flight training begins Oct. 16. The name of the airport where flight training is to be had, is expected to be known in the very near future.

Applications are now being received for the C. A. A. advanced training. This course will include 126 class hours of ground school work for which some academic credit will be given. The advanced flight training will consist of forty to fifty hours of actual flying. News containing more detail pertaining to advanced course will appear in the next issue of the TECHNOLOGY NEWS.

Chapter two, on the subject of aviation in the History of the Illinois Institute of Technology was made this summer when 24 students successfully completed their flight training and ground school

(continued on page three)

## Form Committee To Unite Armour Actors With Lewis

Stage fright!! Footlights!! On stage!! Such will be the familiar expressions to be heard for the next year. Plans concerning a grand year for the Armour College Players commenced last Friday, October 4. Under the direction of Edward Wierzbicki, president, business of the organization was discussed.

Among the important topics brought up was the consideration of combining or merging of this organization and a similar one at Lewis. A committee was formed to study and see what arrangements can be made to bring about unity between these two organizations. The committee consists of Rocco De Stefano, Al Sanwoskis, Art Minwegen, and Edward Weirzbicki.

Also mentioned was the possibility of (continued on page three)

## Pres. Heald, John Schommer Address Athletic Assembly

By Ruth Sprague

Eager students awaited the words of the faculty from the western campus at the assembly-rally program last Tuesday in the Lewis auditorium. Our young, impressive President, Mr. Heald looked upon his newest flock and spoke in such a straight-forward manner that each and everyone felt the recent merger is developing a whole-hearted union. Perhaps his motto is "a bit of something good always leaves a taste for more."

"John" Is a Hit

Professor John Schommer took over Dean Clarke's duties as chairman after Vice-president Grinter gave us his welcome. Prof. Schommer (may we call him Uncle John too? It certainly fits him) introduced the athletic program for the coming year. He side-tracked by telling intimate tales of his participation in athletic activities when he attended the Lewis Academy. The girls enthusiastically concluded that Uncle John's manner and stature greatly resembles that of

## Announce Completion of Ceramics Research Division

### Eight Men Win F. P. E. Awards

by Julian Bowers

After four months of preliminary investigation and the grading of written examinations, \$9600 in scholarships to the Institute's Department of Fire Protection Engineering were awarded to eight men. Candidates for these scholarships were considered as early as April, 1940 by the scholarship committee. Requirements for the awards included a personal interview and competitive examination. By means of the personal interview, the scholarship committee rated the candidate's personality while his scholastic ability was determined by the written examination in mathematics, physics, chemistry, and English. At the same time, the general fitness of the candidate was taken into consideration through such things as his scholastic record in high school and the extent of his extra-curricular activities.

Unique Course

The Fire Protection Engineering scholarships are sponsored by the many stock fire insurance organizations of the United States and the awards are made by the Fire Protection Engineering committee with the Western Actuarial Bureau as representative. They provide both fees and tuition for this unique four-year course.

Those who received the \$1200 scholarships are: Julian M. Bowers, Jr., Danville; Jack W. Hoyt, Chicago; Eldred Koenig, Itasca; Laurus W. Magill, Topeka, Kansas; Kenneth C. Page, Chicago; Lawrence W. Rasmussen, Bloomington; Ray Turbergen, Elmhurst; and Bruce A. Worcester, Oak Park. Worcester is the third member of his family to attend Armour.

### Prof's Join Research Foundation

By Ed Doran

With the merger of Armour Institute of Technology and Lewis Institute to form the Illinois Institute of Technology the research activities of both the two schools are now consolidated into an expanded research foundation known as the Armour Research Foundation. Heretofore at Lewis the important research work has been done in the line of ceramics. Now scientists of both schools cooperate in this important work.

Dr. Fisk Heads Staff

The consolidation of the ceramic department of Lewis with the ceramic and nonmetallic department at Armour has brought into being one of the most completely staffed and equipped research laboratories in the middle west for solving the widely varied problems of the ceramic and silicate industries. The staff of the coordinated ceramics and nonmetals division of the new Foundation is headed by Dr. H. G. Fisk, who, before coming to the Foundation had wide experience in the cement and refractories industries. Mr. B. S. Radcliffe of Lewis, is in charge of pottery and white ware developments. At present he is carrying on research work on two new types of porcelain. One is specially produced by new methods, the other is a porcelain of high chemical and thermal resistance which makes it adaptable to firing under a large variation in kiln schedules.

Petrographic and high temperature research, such as is being carried on at the Foundation by H. G. Fisk, has been particularly valuable in cement technology having led to a better understanding of the compounds existing in cements.

Equipment available in the new ceramic division includes a number of kilns and special furnaces. Ball and pebble mills, grinding, mixing and blending machines, (continued on page seven)

### THIS WEEK AT I.I.T.

Tuesday:

Sigma Omicron Lambda Rush Luncheon.  
C.A.A., Lewis Campus, at 6:30 P.M. in Room 435.  
Lewis Drama Club at 1:00 in the Auditorium.

Wednesday:

Glee Club, Lewis Campus, in the Auditorium.  
Sigma Beta Theta Rush Luncheon.  
Women's Recreation at 1:00 in the Gymnasium.

Thursday:

Lewis Drama Club at 1:00 in the Auditorium.

Friday:

Kappa Phi Delta Rush Luncheon.  
Kappa Phi Delta Informal Rush at 3:00 P.M., Thatcher Woods.  
Gamma Rho Smoker, 9:00 P.M. at 47 N. Lockwood.

Saturday:

Sigma Omicron Lambda Informal Rush at 8:00 P.M.  
Monday, Oct. 14  
Wranglers Meeting in east dining room at 7:30.