

Three Armour Men To ASME Phil. Gathering

At Philadelphia, Pennsylvania, on June 20 and 21, the Applied Mechanical division of the American Society of Mechanical Engineers will hold its eighth national meeting. The convention will be held with the cooperation of the ASME Heat Transfer division.

The sessions, which will be held at the University of Pennsylvania, will feature many outstanding speakers from the nation's prominent engineering colleges.

Illinois Tech Represented

Present will be three faculty members from Illinois Institute of Technology. They are: N. O. Myklestad, M. A. Sadowski and Joseph Marin.

"Two Problems of Thermal Stress in the Infinite Solid" will be the subject of Professor Myklestad's address. Professor Sadowski will talk on "An Extension of the Sand Heap Analogy in Plastic Torsion Applicable to Cross-sections Having One or More Holes."

"The Mechanics of Creep in the Case of Statically Indeterminate Structures" will be the theme of Professor Marin's lecture.

C.P.T. PROGRAM DEEMED SUCCESS

Professor Paul G. Andres of the electrical engineering department and coordinator of the Civil Pilot Training program at Lewis attended a meeting of the Civil Aeronautics Administration coordinators in St. Louis last Saturday.

Held for the purpose of reviewing the CPT program of the last two years, the meeting was attended by representatives of the many universities and institutions which sponsor the program. Ways and means of continuing and promoting the work of the Civil Aeronautics Administration were discussed.

Although no definite plans for future CPT courses at Lewis have

Dr. J. Marin Conducts Fatigue Experiments

An investigation on the fatigue strength of metals subjected to combined stresses is under way at IIT under the direction of Dr. J. Marin. A new type of fatigue testing machine has been designed and built for this purpose and will soon be in operation. The machine subjects a thin-walled tubular specimen to a fluctuating internal pressure synchronized with a fluctuating axial load. This is a new field of research which is of particular importance in aeronautical and machine design.

The investigating is being sponsored by the Welding Research Committee of the Engineering Foundation. Funds for the work carried on by this Committee are donated by various industries. The main committee is, in turn, sponsored by the American Welding Society and the American Institute of Electrical Engineers.

Among those cooperating in an advisory capacity on this project are Colonel G. F. Jenks of the War Department, Washington, D. C., and Everett Chapman, President of the Lukens Company, Coatesville, Pennsylvania. Mr. L. Zwissler, graduate research assistant, is at the present time assisting Dr. Marin with this project.

The machine was constructed during the past few months in the Armour Research Foundation shop. A grant of about \$1000 is being used for this work at present and the estimated cost for next year is about \$4000.

been made as yet, it is suggested that interested students contact Miss Lillian Snodgrass at Lewis. The spring session is now nearing completion, and twenty flight students and six auditors will be given their final examination within two weeks.

Termination of this course will mark the successful completion of two years of Civil Pilot Training at Lewis during which time the requirements of the program have been met consistently.

Tau Beta Pi Elects Orescan President

Tau Beta Pi, Armour's oldest and most distinguished honorary fraternity, recently held its election of officers who will guide the affairs of the organization next year. Membership in Tau Beta Pi, national honorary engineering fraternity, is one of the most outstanding recognitions which an undergraduate or practicing engineer may attain.

Retiring president, Robert J. Mead, chemical, presided at the election of officers.

Elected to the important office of president for next year was George Orescan, junior chemical. Assisting him will be Gus Staats, electrical, as vice president; Earle G. Huxhold, civil, as recording secretary; Charles I. Ball, civil, as corresponding secretary; and Robert J. Creagan, fire-protect, as cataloger. Faculty member Professor Myril B. Reed is the organization's treasurer.

LEWIS STUDENTS SEE "THE CITY"

Through the joint efforts of the political science and social science departments at Lewis, a sound film, "The City," was shown last Thursday morning at 9:30 in the Lewis auditorium.

From the pictorial point of view the film was very suggestive in its dealing with social problems and maladjustments which have manifested themselves as a result of the phenomena of urbanization. Typical city life, as well as facilities which are available to the inhabitants, were illustrated in the film.

The running comments which accompanied the picture were provided by Lewis Mumford, a sociologist famous for his book of several years ago, "Culture of Cities." The film has attracted wide attention, and has been shown before various societies and associations dealing with political and social changes which arise as city life becomes more and more problematic. To see this film is to be made more mindful of conditions, and to be inspired with possible improvements for a more decent pattern of associated living in the modern city.

DEHYDRATION AND DEHYDROGENATION

Mr. Robert Stein was the speaker at the bi-weekly meeting of the chemistry seminar held last Wednesday, May 14. The subject for the occasion was the catalytic dehydration and dehydrogenation of benzyl alcohol.

By passing benzyl ether vapor over mixed aluminum and chromium catalyst, and varying the composition of the catalyst, temperature, and pressure, it is possible to get selectively either distilled stilbene or anhydrocyclohexene or benzyl ether. Discussion of the above mentioned process was the text of the talk presented by Mr. Stein. This research is being done toward a masters degree by Mr. Stein. The work is being accomplished under the direction of Dr. V. I. Komarevsky.

LEWIS AUTHORS' BOOK ACCEPTED

Norman Kharasch and Helen S. Mackenzie, of the Lewis chemistry department, and co-authors of *A First Survey of Chemistry* have announced their acceptance of a contract for the publication of their book with the Van Nostrand Company.

Annual Alumni Banquet To Be Held At Knickerbocker Hotel

Musical Groups To Cavort

Last of the season's engagements for the musical clubs, the Alumni Banquet engagement will be held at the Knickerbocker Hotel tonight!

Musical club members will be fed in real style in the Continental Room at the hotel shortly after 5 p.m. Following the meal will be the election of officers for next year. Then the notemen will move into the Grand Ballroom to give the Armour Alumni Association a bit of dinner music. Past years have shown that the class of '15 is able to give the glee club keen competition.

This engagement follows close upon the club's success in presenting last Friday's concert at the Lewis Auditorium. All three groups collaborated to make the morning a musical one. Notable features of the program were Robert Hemman's rendition of "The Road to Mandalay," and "Spring Song" and "Lilac Time," sung by the Lewis girls' chorus.

In token of work well done in such concerts, Pi Nu Epsilon added nine members to its active list last Wednesday evening at the Auditorium Hotel. They are Wayne Ault, Emil DeBoo, Donald Ely, William C. Laube, Jr., Arthur Marks, Jr., George Raymond, Richard Stoneham, Herman Tachau, and James Walker. A banquet followed the ceremony.

CIVILIAN PILOT TRAINING Summer Session

The question of a class in Primary Flight Training, under the Civil Aeronautics Authority, for the summer is not yet settled. The probabilities are that there will be such a class.

Blank applications for the training may be obtained at the office of the Registrar. Applications will also be received for the Secondary (Advanced) Course. Action of Armour College of Engineering in applying for a quota for primary flight training will be determined by the number of applications received.

Grads Assured Of Good Time

To those who have attended the annual alumni banquet in years past will come happy memories of the few hours association with classmates, professors and friends that the occasion provides.

Another alumni banquet is in the offing with better program, a livelier evening, and new features. Never will you have a better time to again meet the old gang you went to school with. The Annual Alumni Banquet will be held at the Knickerbocker Hotel at 163 East Walton place. It will take place on Tuesday, May 27, at 6 p.m.

If you make your reservation now, you will be able to enjoy the following: A menu that includes in rapid order; shrimp cocktail, chicken broth, celery and olives, sizzling filet mignon with french fried onions, fancy potatoes, new peas, special salad, toasted wafers, and frozen French pastry with coffee. With this start you will be ready to hear a nationally prominent speaker who will expound upon a current topic along with a very short report of recent affairs at the Institute and in the alumni association. In addition to all this will be the undergraduate Glee Club and the Institute Orchestra to bring you up-to-date on the songs the current group of engineers are singing. Then you will be surprised to learn that at no time during the evening will you be expected to have anything but a good time. There will be no solicitation of funds, no collection of dues (unless you wish to pay them), no tipping, for the one cost is two bucks.

Don't miss this big Alumni Banquet.

Election of officers for the coming year will take place at the Alpha Lambda Pi meeting tomorrow night. The meeting will take place in the Art room of Lewis Institute at 8 p.m.

354 Degrees To Be Conferred At I.I.T. Commencement June 12

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ate June 8, at 11:00 A. M., at the Central Church of Chicago at Orchestra Hall. Dr. Harold W. Ruopp, D.D., minister of Central Church, will deliver the sermon, the theme of which is "He Took It Upon Himself."

21 Honor Marshals

President Heald, in his capacity as head of the Institute, will preside over the ceremonies of commencement night. Responsible in large degree for the successful conduct of the program are the Faculty Marshals, consisting of J. H. Smale, chief marshal, W. W. Colvert, D. R. Mathews, and C. A. Nash. Recipients of the Honor Marshal Acknowledgements are three men and three women from Lewis and fifteen men from Armour. These marshals, who are chosen for their scholarship, attend to the ushering and seating of the assemblage. From Lewis come Misses Harriet S. Kott, Jean Michels, and Mary G. Green and Messrs. Howard G. Reiser, Sidney Camras, and Ira Slaughter. Representing Armour are fifteen men, the top five scholars in the freshman, sophomore and junior classes. These are: juniors, Robert Sullivan, Charles I. Ball, J. W. Harnach, C. W. Staats and G. T. Popp; sophomores, R. J. Mahassek, R. L. Rose, T. M. Moore, P.

R. Bechtolt and Gunnar P. Ohman; freshmen, G. L. Landsman, Richard B. Larson, P. J. Colombo, Allen Devinatz and R. E. Kraft.

Albert W. Hawkes to Speak

Present on this memorable occasion will be the faculty and heads of both schools to commemorate the departure of the second graduating class from what has now become the leading engineering school of the country in point of attendance and service to the community. For the address, President Heald has secured Mr. Albert W. Hawkes, president of the United States Chamber of Commerce and also president and chairman of the board of Congoleum-Nairn, Inc. of Kearney, New Jersey. Mr. Hawkes combines a native wit with a deep-seated appreciation of values so that his talk on this occasion promises to be most interesting as well as informative.

A word of caution to the graduates was voiced by Dean Peebles regarding the admission of guests. Inasmuch as there are a limited number of seats and the size of the class is exceptionally large, it is necessary to limit admission to ticket-holders only. It would do well for graduates to determine before hand the number of invitations needed in order that neither Uncle Joe nor Aunt Minnie will be disappointed.

At Last Engineers Obtain Success -- Way Found To Hang Picture

For a long time, Armour students have been put to shame by their folks. It seems that there is a trick to putting up pictures. The major difficulty is in putting the nail in the wall. Well, with the new method, all this trouble will be avoided. Under the new system, the most important item to have, is "Eleman's Cement Mixing" book. On the cover of this book are two pictures. The first picture shows a young, unshaven man lying exhausted on the side walk, and beside him is an unmixed pile of cement. Below the picture is a caption reading, "He doesn't know how to mix cement."

In the other picture stands a smiling young man dressed in top hat, white tie, and tails, with a cement mixing book in his hand. He is calling to his friend, "Come and see me mix it."

On the first page are the basic instructions. They are as follows: In order to mix cement, one must first get some sand, a pail of water, some cement, and a small coke. Upon receiving five dollars, we will send you 10 cents worth of

the best sand we can find, tell where you can get some water and cement absolutely free, if you are willing to pay the shipping cost, the government tax, the state tax, the sales tax, and the defense tax (and the bookstore's 90%) which will amount to \$125.03.

A mixer can be made from any stick or board, or can be bought from a lumber yard for three dollars, if they see you coming. Having now both cement and mixer, follow these directions:

(A) Grasp mixer in both hands.
(B) Utilize muscles in arms so the mixer is lifted several feet above the cement.

(C) Let fall.
Lesson II. Repeat Lesson I.
Lesson III. Repeat Lesson II.
Lesson IV. Repeat Lesson III.

Now that the cement is made, we are ready to put up a picture, engineer style. First blow a hole in the hole. Then fill the hole with cement, and just before the cement hardens, push a nail into it. Then all that has to be done is to hang the picture on the wall. Simple, No?