

Sound Lab Installed in MH for Echoless Engine-Vibration Test

by Howard Husa

Finishing touches were completed last week on the new engine sound lab located on the second floor of Machinery Hall. The main feature of this lab is a sound proof, double walled room lined entirely on the inside with a spun glass cushion.

An internal combustion engine is placed within the room, set into operation, and the noise it makes recorded by means of an electronic indicator.

The purpose of the room, according to W. P. Green, research director, is to approximate open field conditions, that is, eliminate echoes. A study will be made of the inherent noises in the internal combustion engine with an eye toward decreasing these noises, reducing engine vibration and possibly improving engine efficiencies.

The problem of reducing engine noise was assigned last August by the graduate school to the ME research department under the direction of Dr. John T. Rettaliata and Green.

Mr. Green is a newcomer to IIT and has done extensive work with internal combustion engines. He was formerly associated with the University of Maryland, the National Advisory Committee of Aeronautics, and served as consulting engineer for the Wilberding Co. of Washington, D.C. In addition he is the author of several articles on the IC engine. Notable among these are, "Optimum Compression Ratio of the Diesel Engine," and "Water Injection in the Spark Ignition Engine," both of which were published in the ASME transactions.

Graduate assistants also employed on this project are Roy Kano, Gene Meyer and William Fauke.

ASME to Elect Officers Friday

Election of officers for next term will be held at the meeting of the American Society of Mechanical Engineers this Friday. All members are urged to attend and vote, as the men selected will guide the organization's activities through the fall semester, said Kurt Kuhnle, president. A complete change-over of officers will occur as all the present officers are graduating seniors. Any man wishing to run for office should place his name with Kuhnle or Samuel Rusinoff, honorary chairman before Thursday, May 8. Nominations from the floor will also be accepted.

The remaining portion of the meeting will be devoted to a 30 minute color film titled "Steel for the Ages." The film is released under the auspices of the Allegheny-Ludlum Steel Corporation and depicts the production of modern high alloy steel. This will be one of the first showings of this film, Kuhnle said.

Pins, membership cards and magazines will also be passed out at this session.

At present three men are preparing papers for the ASME technical paper contest to be held at the University of Minnesota, May 19 and 20. Writing on the subject "The Engineering Method—Its Value and Limitations" are John S. Carr, Kurt Kuhnle and Albert S. Burba. A cash prize of 150 dollars will be presented by the society to the writer of the best paper presented at the conference.

A second car is required for transportation to Minneapolis, says Prof. Rusinoff, ASME honorary chairman. The society will pay traveling expenses incurred. Any interested student should contact Mr. Rusinoff for details.

Illinois Tech Music Clubs To Present Concerts at Starved Rock, Ottawa

Guests of the lodge at Starved Rock State Park at Polo, Illinois will be entertained by the musical clubs of IIT in a concert to be held there on the afternoon of Sunday, May 18. Later in the evening, the clubs will again perform in the 1st Congregational Church of Ottawa, Ill.

At 3 o'clock that afternoon the band and glee club will play on Starved Rock itself, high above the Illinois River. Guests who do not wish to make the climb to the rock, will be able to hear the concert from the lodge, 500 feet away. Dimer for the clubs will be served in the lodge at 5:30, preparatory to the ten mile trip to their 8 o'clock concert at Ottawa.

Pi Tau Sigma Pledges S. E. Rusinoff, 23 Others

Last Thursday the following 23 students were pledged to Pi Tau Sigma, honorary mechanical engineering fraternity:

S. Van Ness, G. Koe, S. Dushkes, A. Guttman, E. Szymiski, R. Hempel, H. Olsen, W. Beck, H. Huss, H. Miller, W. Smart, R. Dahlin, R. Larson, W. Kahl, T. Goldcamp, J. Chamberlin, C. Eilman, E. Abrahamson, L. Eilman, and J. Doane.

Professor Samuel E. Rusinoff, assistant professor of mechanical engineering was made an honorary member.

Pi Delta Epsilon Elects Officers

Howie Baum was elected president of Pi Delta Epsilon, national honorary journalism fraternity, at a meeting held last Monday. Other officers elected were: Vice-president, Sherwood Benson; secretary, Lester Templeton Jr.; treasurer, Herb Sachs.

Plans for selection of the winners of the new Pi Delta award for achievement in collegiate journalism were completed at the meeting. Recipients of the award will be announced the latter part of this month.

Graduate Preregistration

All returning day graduate students who expect to register for courses during the summer session must preregister before May 17, 1947. A list of available courses and the preregistration procedure are available at the Graduate School Office, the Registrar's Office, and at department offices.

Huntly to Receive Award for Service

Philip C. Huntly, professor of civil engineering, will be among those receiving a silver certificate at the American Society for Metals meeting this Thursday.

This certificate is in recognition of 25 years of continuous membership in the national ASME. Professor Huntly has been a member of the Chicago branch of the Society since its formation in 1917.

This meeting, which has been designated as "Old Timers Night", will consist of a dinner and a talk on "Science". The discussion of "Science" will be presented by Dr. Marcus A. Grossmann, director of research at the Carnegie Illinois Steel Corporation in Chicago.

Dr. F. Richter Speaks On German Publications

F. K. Richter, associate professor of modern languages, was the featured speaker at the annual meeting of the Modern Language Association held at the University of Wisconsin, April 25-26. Language teachers from all the central state high schools, colleges, and universities attended this meeting at Madison, Wisconsin.

Dr. Richter's theme was "German Publications in German Speaking Countries Since the End of the War." He emphasized the fact that German publications now are almost entirely of the old classics, particularly Goethe. "Germany has entered into a Goethe Renaissance," said Dr. Richter, "and is publishing works of a consoling and helpful nature."

Karlin Receives Fellowship

Samuel Karlin, who received his MS in mathematics at Illinois Tech in June 1945, and has just completed work for his PhD at Princeton this year, has been named the first recipient of the Bateman Research Fellowship in Mathematics at the California Institute of Technology.

Dr. Karlin will teach here during the coming summer session.

\$66 in Prizes to Be Given in TD Contest

A Charvot drawing set valued at \$30, a \$30 General Electric table model radio and a \$6.50 pocket slide rule will be offered as prizes in a drawing contest sponsored by the Technical Drawing Department and donated by the Illinois Tech.

Selected for the contest subject is the "Q" type drawing problem which is required of all students taking T.D. 102. Thus the "102" students, who are the only ones eligible, can invest additional effort with the prizes as incentive. The radio prize was donated by the IIT bookstore, the drawing set by the Roosevelt Company of New York, and the pocket slide rule by Kneffel and Esser of Chicago.

Judges for the contest will be professors from the drawing department. The problems will be judged on basis of completeness, accuracy, drawing technique and neatness indicated Melvin BATTERY, technical drawing instructor and chairman of the contest.

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