Engineers' Week Begins April 29; Open House Heads List of Events

Engineers' Week is a week set aside for the students of the College of Engineering in which the students and the faculty of the college work together to demonstrate to themselves and to the public the many varied aspects of engineering education. It is a time for serious thought, for hard work, but also for fun and for personal satisfaction for the students. Accordingly Engineers' Week has several serious features and several humerous ones.

The chief feature, is the annual open house which will be held Thursday, Apral 29, from 2:30 until 11 p. m. At the Open House the students seek to demonstrate to the people of Nebraska not only the importance, but the variety and the quality of engineering education at their University.

Organization

Under Dean Roy M. Green and the faculty sponsor, Mr. James Blackman, the organization of Engineers' Week is almost entirely a student project. The Engineering executive board, a student body, appoints two co-chairmen for Engineers' Week. These co-chairmen in turn, appoint the departmental and the special chairmen who are responsible for the planning, development, and presentation of the various events of Engineers' Week. The committee this year:

Max H. Bailey, Richard M. Green, Co-chairmen.
Departments:
Paul Exstrom, Ag. Eng.
Robert Brown, Arch. Eng.
Marshall Boker, Arch. Eng.
Otto Kral, Chem. Eng.
Arnold L. Johnson, Civil Eng.
Charles Talbert, Civil Eng.
Clarence Lewis, Civil Eng.
Herbert Temme, Elect. Eng.
Dick Stonesifer, Elect. Eng.
Jack D. White, Eng. Mech.
Gerald Pipher, Mech. Eng.
Irwin Reis, Mech. Eng.
Neal Kennedy, Mil. Eng.
Pat. Christel, Naval Eng.
Special:
George Flebbe, Secy.-Treas.
Paul Ruhter, Banquet.
Wilbur Lehnert, Contest.
Eldon Clapham, Convocation.
Robert Bottum, Field Day.
Wayne Scott, Inquiries.
Poseph Rogers, Photographer.
Al. Henry, Program.
Bruce Clausen, Ribbon Sales.
Warren Koenig, Sledge.
Jay Funk, Traffic.
Stan Liedtke, Window Display.
Don. McCarthy, Blue Print.
Fred Pelton, Publicity.

The departmental chairmen are responsible for the organization of their departments for open house and for the other Engineers' Week activities.

The several special chairman organize their own parts of the week's events: the banquet, the convocation, the field day, the inter-deparmental contests, inquiries and invitations to special groups of high school students, ribbon sales to departments, open house programs, Sledge, the humor magazine, open house traffic control, special window displays, Blue Print magazine articles, and publicity.

In addition, there are hundreds of engineering students working with these chairmen to make open house 1948 the biggest and best that has ever been presented to the public.

Program

The schedule of events for Open House and Engineers' Week is as follows

Thursday, April 29

Open House—2:30 p.m. until 11 p.m. All engineering laboratories and buildings on the city campus will be open to inspection by the public.

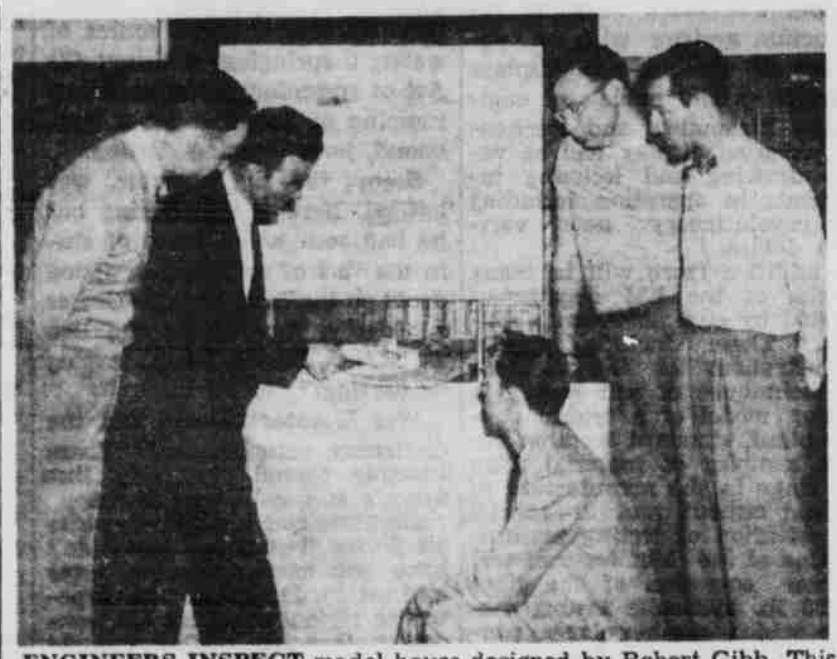
Friday, April 30

Convocation—11 a.m., Stuart Theater building.

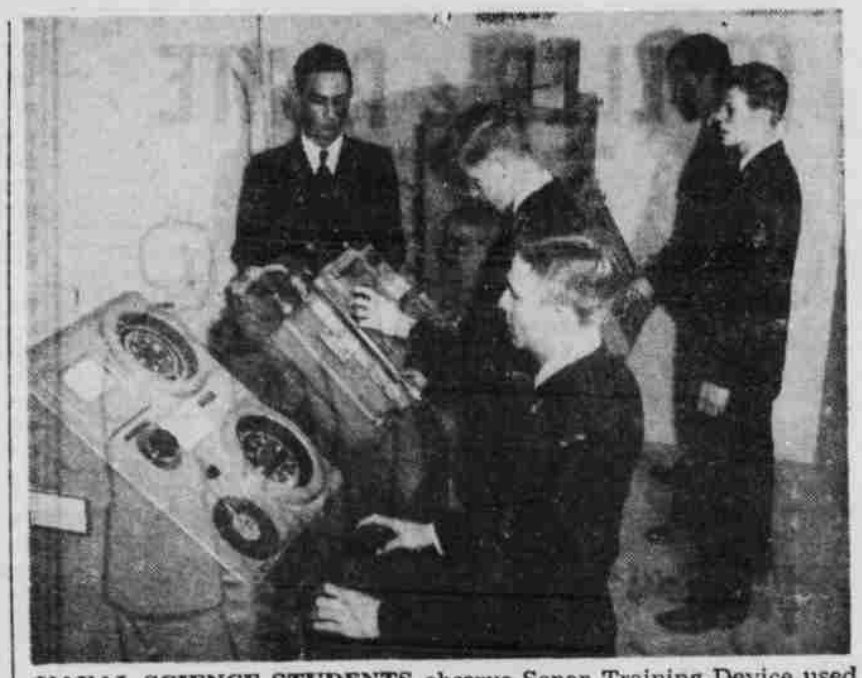
Field Day—1 p.m. until 5 p.m., Pioneer park.

Banquet—7:30 p.m., Student Union building.

Commenius Club will meet in Room 313 of the Union Friday, April 23, at 7:30 p. m. All members are urged to attend.



ENGINEERS INSPECT model house designed by Robert Gibb. This will be one of many designs presented during Engineer's Week which begins April 29. Pictured from left to right are Edgar Coleman; Robert Gibb, designer; Keith Christianson; Robert Brown; and Marshall Boker. Brown and Boker are co-chairmen of Architectural section of Engineer's Week.



NAVAL SCIENCE STUDENTS observe Sonar Training Device used for detection of underwater vessels. The device is housed in the University Armory. Students shown are Douglas Keilty, Walter Chaney, Arthur Tirro, Kenneth Hornbacker, and Bill Allison.

Convocation Details

Each year the Engineers' Week committee invites a nationally known member of the Engineering profession to speak to the students of the college at the special convocation.

This year the committee has been especially fortunate in being able to present one of the top men in Chemistry: Mr. Francis J. Curtis, Vice President of Monsanto Chemical company. Mr. Curtis comes to Lincoln from the St. Louis offices of the company where he has been a Vice President since 1943. Mr. Curtis was educated at Cambridge, Mass., and is a graduate of Harvard University. He was engaged in research and in operating and technical sales with the Merrimac Co. until 1935 when he joined Monsanto. Since that time he has been assistant director and then director of development for Monsanto, and later, vice president. He has been especially active in the American Institute of Chemical Engineers being chairman of the committee on junior activities in 1943 and a director in 1943, '44, and '47, besides holding several other important offices. He is also a member of the American Chemical Society, the American Institute of Chemists, and the Society of Chemical Industry.

Field Day Events

Following the convocation, the students adjourn to Pioneer park for the annual field day and picnic. Inter-department contests are held on ticket sales for the field day and for the evening banquet; and at field day itself the various departments compete in sports. This year these events will include baseball, a sack race, an egg throw, and other contests of energy and ingenuity. In the evening two special awards are presented at the banquet to the winners of the field day events and the Engineers' Week contest.

Coffee Hour in the Student Union at 5 p. m., Main Lounge. The free variety movie "Cluny Brown," starring Jennifer Jones and Charles Boyer, begins at 7:30 Sunday evening in the Union Ballroom.

Open House

For all concerned, students, faculty ,and public, the annual Engineers' open house is the chief feature of Engineers' week. At Open House the engineering laboratories are al lopen to public inspection ,and numerous special displays, lectures, demonstrations, films ,and exhibits have been prepared by the students to show the principles, methods, and quality of engineering and engineering education at the university. All nine departments are represented: agricultural, architechtural, chemical, civil, electrical, mechanical, military and naval engineering and engineering mechanics. The locations of these department and their displays are shown in the attached map together with the two starting points for visitors and the traffic route.

This year open house begins at a new time, 2:30 p. m., and will continue until 11 p. m. on Thursday, April 29. The early morning is planned to accommodate out-of-town student visitors, other students at the University, and those of the public who are able, or prefer, to attend in the afternoon. Special guides will be furnished to visiting student groups, and printed programs will be available for all guests. By organizing traffic routes from two starting points it is hoped that much of the traffic congestion of previous years may be eliminated.

Many new and spectacular features characterize this year's open house. A partial list of exhibits, lectures, and demonstrations by each department is given below.

Part of the inter-departmental contest includes the window displays which each department will have in the business district of Lincoln the week preceding Engineers' Open House. The location of these displays are as follows:

Agricultural Engineering, Lawlors.
Architectural Engineering, Magee's.
Chemical Engineering, Latsch Brothers.
Civil Engineering, Gold & Co.
Electrical Engineering, Ben Simon & Sons.
Engineering Mechanics, Miller & Paine.
Mechanical Engineering, Hardy Furniture Co.
Military Engineering, Sears Roebuck & Co.
Naval Engineering, Harvey Brothers.
(No. 4 on Map).

Ivy Day Poem contest entries must be turned in to the Union office by 5 p. m. Friday. Poems must concern the Ivy Day tradition and must be handed in, unsigned, in triplicate with a sealed envelope containing the poet's name.

Architectural Engineering

The theme of the architectural engineering display wil be "Modern Housing," and the central point of interest is a complete model house designed by Robert Gibb. This house was designed for a particular type of terrain and takes full advantage of those natural conditions. Students of the department have designed furniture for this model home. A model of the living room will be furnished completely with models on a ¾-inch scale. Interior decoration schemes for all the rooms will be shown by means of water color illustrations. Lincoln merchants have made it possible for the public to see how one part of the living room will look by lending the department furniture from their stores. Thru the co-operation of many other Lincoln firms a wide variety of construction materials will be on display showing the latest methods, materials and techniques of construction. Also on display will be drawings of the future buildings for the University of Nebraska which will enable the public to visualize the building plans of their University.

Chemical Engineering

The theme of the Chem. Eng. dept. is "The Chemical Engineering Curriculum Step by Step." A trip through Avery Lab. at Open House will reveal, by means of projects, displays, and lectures, the courses, lab. work and equipment with which a student works at the university.

There will be two main lectures given throughout Open House, one on thermite and chemical curiosities, and one on explosives. The Thermite and curiosities lecture will be given at 3, 7, and 10 p. m., the lecture on explosives at 4:30 and at 8:30 p. m. The thermite lecture will be accompanied by a demonstraiton of how this substance can burn through thick steel. The chemical curiosities demonstrations will show many of the spectacular phenomena occurring in chemistry. The explosives lecture will show types, uses and techniques of handling of the various types of high explosives and interesting, educational, and safe demonstration. Other highlights of the chem. show will be the production of the famous coal tar products from the destructive distillation of coal, an operating sulphuric acid plant, and a demonstration of the manufacture of rayon and of sugar refining. Many new technical instuments and methods will be on display including the expensive new unit rotary drier, the Oliver filter, the bubble tower, the filter press, and complete illustrations in the laboratories of the courses in fundamental, analytical, physical, and organic chemistry and chemical engineering.

Civil Engineering

Highlights of the C. E. dept. demonstrations will include a special project on highway safety and design. This project will consist of a working model of a highway intersection. The public will also be able to take driving tests on a specially designed machine which tests drivers' braking reaction speed. Another feature that promises to attract interest is a complete model railway with bridges, embankments, cuts and fills. Freight and passenger trains can be seen crossing streams and traveling across a large realistic terrain. In addition to these there will be special displays on aircraft structures, on the materials and applications of geological engineering, on the many other materials of construction from clay and glass to bituminous and metal substances, models of various types of bridges, an illustrative history of the developemnt and use of surveying instruments, examples of the hydraulic spillway and of waterway design.

In addition to these the several government agencies will be officially represented by displays showing their work in Nebraska and the Missouri River Basin. These agencies are the U. S. Geological Survey, the Soil Conservation Corps, the Bureau of Reclamation, and the U. S. Army Engineers.

Electrical Engineering

The EE displays are divided between two buildings: The old EE Lab and the new quarters in Temporary L. Accordingly their displays are divided into two major categories: Electrical power machinery and electronic equipment. The EE students realize that their stock in trade, the smoothly running power generator or motor and the radio cease to be novel or interesting since they are in common use everywhere. As a result the EE's have attempted to set up numerous

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