

Air, Robots, Roads Shown

CE's Push Highways, Building

The civil engineers' contribution to Engineer's Week will be a wide variety of educational displays.

All the displays will be shown by students who will explain their operation and use in the engineering profession.

Included are displays in the fields of sanitation, hydraulics, highways, surveying, soils and structures.

In addition, the civil engineering curriculum of the University will be shown in a display consisting of all textbooks used in courses.

Storm Run-Off

Two displays are being constructed concerning sanitation. The first is an inverted siphon, used in controlling storm run-off and allowing flow beneath streams or underground obstructions.

The main display in hydraulics will be an experiment showing the characteristics of water flowing under different velocities. Another experiment is the hydraulic "jump" which is an unexplained natural phenomenon where water flowing in an open flume makes an abrupt rise due to retarded flow.

The principles used in disposing of sewer gas will also be shown as part of sanitation.

The highway display will show the location of a number of different types of bridges and their design. Models of bridges constructed in the past and present will be displayed.

Another highway display will show the location of proposed routes of the Interstate Highway through the country.

Structural design and construction will show the design and properties of typical concrete and steel construction members.

The use of tilt-up construction will show the advancements made in the field of structures. By using tilt-up construction, concrete walls may be constructed on the ground and raised into place.

The soils display will show the effect of controlling seepage and flow of water by the use of admixtures in the soil.

An extensive display of surveying as used in distance measurement will be shown accompanied by a short film concerned with optical tools.

A display illustrating how the Corps of Engineers worked on the flood control of the Missouri River will show a working model of Yankton, S.D.



SAVING WAYS—Civil engineering students practice for their demonstration of soil conservation. Jim Williams, senior in CE points out methods of soil saving.

Architecture

Air Supports House Roof

A balloon-house with a roof supported entirely by air pressure from within will be a special feature of the architectural exhibits.

The house, 29 feet wide and 30 feet long, will be decorated inside with several settings of contemporary furniture. It will be located outside Architectural Hall where the tour for the entire open house begins.

Human Importance
"We hope to express in our exhibits the importance of the human element in architecture," said Dave Schlieger as he described the architectural exhibits.

The display starts with work done by students in their first year of architecture.

Although the student takes no formal architectural design courses at this time, he does have classes in art, color and composition and drafting. The display will show some of the problems encountered in these classes.

Designs of comparatively small, simple structures will be exhibited as results of the second year's work.

By the third year design problems begin to become a bit more complex. The displays for the third year students will include major de-

signs such as a church or supermarket, plus several "sketch problems."

Bigger 'n Better
Bigger and more complex designs are found in the fourth year exhibits. The student designs a building and then draws up a complete set of plans, elevations, sections, and details from which the building could be built.

The senior of the architectural department might have a single design problem which takes more than an entire semester to complete. The results of these months of hard work will be displayed.

Design courses are not all the student is required to take.

He takes engineering

Ed Psych Clinic Held In York

An educational psychology clinic sponsored by the University and the State Department of Education was held in York Thursday, according to Dr. Marshall Hiskey, clinic director.

The purpose of the clinic was to determine the eligibility of certain public school children for participation in special educational programs. It was also to help diagnose school learning difficulties found in children enrolled in regular classes, said Dr. Hiskey.

Similar clinics will be held during May in Kearney and Hastings.



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courses, architectural history and several additional courses in drawing. Exhibits of the type of work done in these courses will also be displayed.

"Throughout these five years, the architectural student is learning how to get the human ingredient into his building, thus changing just plain space into living space," Schlieger commented.

"We hope to show to you in passing through our exhibit just how he has attempted to reach this goal," he added.

Cartoon Contest Offers \$25 Prize

The Mennen Company has announced it will give \$25 for each cartoon situation submitted by a college student which is used in its new series of advertisements.

The cartoons feature "Smedley," a forlorn-looking collegian who is always shown getting the brushoff because he doesn't use Mennen Spray Deodorant.

The advertisements will run in the Daily Nebraskan.

Students wishing to enter the contest should send a sketch or a description of their cartoon idea to The Mennen Company, in care of "Smedley," Morristown, New Jersey, along with their name, address and college.

Lessmann Enters Ad Beauty Contest

Patricia Lessmann, has qualified for the opportunity to be chosen one of the three Regional College Beauty Queens to be featured in a national advertising program for a brand of make-up.

Miss Lessmann will represent the University among a group of 78 schools across the country.

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EE Has Robot, 'Hot Seat'

Ever wondered how the man in the electric chair feels when that switch is pulled?

Ever watched yourself acting on TV?

Or seen a woman obey unhesitatingly a command?

The electrical engineering displays show these things as they attempt to reveal the correlation between the elements of electricity and the importance of engineering in our modern world.

Sit in 'Chair'

You can sit in an electrical chair that sends a half million volts through a human being and walk away unharmed.

A closed-circuit television allows you to watch yourself act.

A woman mannequin mounted on wheels and driven by batteries receives radio messages that control her movement backwards or forwards or sideways.

Tic-Tac-Toe is the game of the day with you being challenged by an electronic machine whose unerring decisions make it the undefeated champion. A tie game is possible but the machine has never been beaten.

Penny Arcade

A photo-electric gun activates a target of the Penny Arcade variety.

Tours through the power lab will allow the public to see AC and DC motors and dynamos in action.

Electronics lab tour includes viewing of the wave shape of voltage via an oscilloscope.

Songleaders Meet

In Union Thursday

An Ivy Day women songleader's meeting will be held Thursday in Union 316 at 5 p.m., according to Marilyn Pickett, publicity chairman.

All songleaders are asked to bring three copies of their song with them.

Some 600 Will Make E-Week Lincoln Tour

LAFB, Cushman, Journal-Star, KOLN, Will Host High Schoolers

As a special part of the E-Week activities designed to interest high school students in engineering, some 500 high schoolers will go on tours this year.

Lincoln Air Force Base, Cushman Motor Works, the Lincoln Journal-Star Printing Co. and KOLN-TV are cooperating with the tours committee, according to Dennis Johnston.

LAFB Biggest

Lincoln Air Force Base is billed as putting on the "biggest" show for the high schoolers. One hundred fifty students will inspect a B-47 and KC-97, watch a judo demonstration, and will tour the base in general. As a grand finale to this tour, a meal will be served on the base for the students.

At Cushman, the entire operation of assembling a motor scooter — from the drawing board to the foundry, to the assembly to the finished scooter, will be demonstrated.

At the Lincoln Journal-Star the students will be taken on a complete tour of that plant. Beginning with the hubbub of the city desk in the newsroom, they will then be shown the linotype machines, the setting up of pages and finally the operation of a high-speed news-



BEST GAL — Electrical engineers Con Rader, Ned Lindsay, Don Cox and Ron Riggart get their one and only chance to completely

dominate a woman as they control LENA, a radio controlled robot that will do anything but talk.

Secretive Air Surrounds E-Week Contest Plans

Displays, Sales, Participation Determine Winner of Coveted Overall Trophy

For two or three months before E-Week, an air of smug secrecy begins to become prevalent among the men who wear the slide rules.

That's when each department begins mapping what it hopes will net it the coveted E-Week overall trophy. That's the time when mechanical engineers stop talking to civil engineers about anything closer to campus than the Indonesian situation, and when the lads from Architecture begin hiding their drawings from the chemical engineers.

This is an important part of E-Week as it exists to the students. It is the competition between the different departments making up the College of Engineering.

Each year the departments compete in six different phases of judging to determine the overall winner. The

six phases of competition are: window displays, open-house displays, E-Week banquet sales, E-Ribbon sales, Field day, and Blue Print Sales.

Of these six, window displays and open-house displays are judged by Lincoln business and professional men. Results of the other four phases are obtained from the selling campaigns and from the points won in field day.

This year, for judging the displays, six laymen and three technical men will serve as judges. The laymen are people with varied educational backgrounds while the technical men are those who have had training in engineering. Their identity is not disclosed.

Window displays are judged for drawing power, initiative, clarity, and attractiveness, conformity to curriculum.

The judging of the three "sales" events are on the quantity sold and the per capita basis. Because the size of the departments range from 45 up to 300, the distribution of places is accounted for by both quantity and by the average number sold per student, thus giving more equal competition.

Field day results are obtained from the results of the sports and competitive events held in connection with "Field Day."

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