TECHNOLOGY IS TODAY - HOSTED BY

Light Beam Transmits Sound in E. E. Display

Slow Motion Pictures Show Actions Too Swift for Eye

High Voltage Display Will Prove To Be Spectacular

Stroboscope Makes Objects in Motion Stand Still

A peep show, a beauty parlor, a beach tent, and high voltage display will feature the extraordinary displays of the Electrical Engineering Department which will be presented at today's open house.

Other exhibits will include stroboscopic representations of various moving objects, photographed by means of light rays, and visual demonstrations of the wave form of sound.

Movies in 10-100

In room 10-100 will be found a laboratory where high speed movies will be shown. These are photographic movies which demonstrate things which happen too fast for the unaided human eye to see. (Continued on Last Page)

Electrical Engineering

Varied Features of Student Life Shown in Walker Memorial

Tech Show, Tea Dance, Presented Free for The Enjoyment of Visitors

A Tea Dance in the gymnasium at 4 o'clock, the production of three acts of Tech Show at 6 o'clock, an information lecture in the Technology Chemistry Association office and the opening of all undergraduate exhibits offer entertainment are the features of Walker Rooms.

(Continued on Last Page)

Wells... The Chemical Clock Is Subject of Talk

Cold Light, Thermoelectricity, and many other subjects will be presented in the chemical lecture to be given today in Room 10-040, from 4 to 5 o'clock, and from 7 to 8 o'clock.

(Continued on Last Page)

Chem. Lectures

Miniature Guns, Mortars Displayed by Chemical Warfare Unit of R. O. T. C.

Among the displays in the military exhibition section of the Hangar Building is 10-24 which has been constructed to illustrate the Chemical Warfare Unit of the R. O. T. C.

The range consists of a sand table 15 by 60 feet, a miniature gun range mounted in a chemical mortar, observers' tables, standing scales, and a map of the area.

Table Landscape

On the table is a typical painting scale of a shell, Dots in the sand table represent the area of a shell fired, with the features of the shell illustrated in color in order to represent a real explosion. A railroad, houses, trees, roads and other permanent features are on the map as reference points.

A system of trenches manned by toy soldiers, mine gas, and artillery positions, and tasks are on the table, and located on the map by means of the reference points.

The miniature mortar is a brass barrel firing an explosive charge consisting of a plunger operated by rubber bands. A circle around the tube indicates the position of the rubber bands, and a number of rubber bands correspond to the number of charges of powder in the propelling charge.

The 4-Inch Mortar Shell, 15 Feet Long

A role mechanism causes the plunger to ram into the shell. When the shell is dropped it goes down the muzzle. The shell may be projected for a distance of from 18 to 25 feet.

This mortar range has been constructed to show the action of a shell, with a focus on observation and control of fire of chemical warfare in warfare to screen with smoke the advance of the infantry.

Free Seats Given Visitors By the Metals Laboratory

Soviet Technology seats will be oval in room 10-50, while you wait at the Metals Laboratory in Building 35 which has an outstanding technologic demonstration.

In the Welding Laboratory, is a continuous showing welding processes, including steel, flux-cored, oxy-acetylene, A. C. and D. C. arc and flood cutting.

There is also an exhibition of hot and cold forgings.

The manufacture of the seats will constitute the exhibit of modeling and poring in the foundry.

Odometer Checks Automobile Speed

Device Will Be Demonstrated To Test Speedmeters For Visitors

People coming to Open House in their autos will be afforded a unique opportunity of observing their speedometers. At the Automobile Laboratory in Building 33, Mr. Wilkenson 35 and Richard Parrell, 25, student inventors of the electrical Odometer will demonstrate their device to visitors.

The electrical Odometer consists of a generator driven by a bicycle wheel. When the car runs on the running board of the car, the generator generates a voltage which is accurately calibrated in miles per hour.

Other exhibits in the Automotive laboratory include a setup for determining the air consumption of a 3.8 Ford V-8 motor under operating conditions, a device for measuring spark gap with a watch under different conditions of load.

Ship Models Are Shown In Museum

Portraits, Etchings, Charts, Radio Compass Included

A unique collection of ship-models, including United States war vessels, American steamboats, merchant ships and yachts, British steam and motor vessels, French, Dutch and Italian. (Continued on Page 9)

Naval Museum

Latest in Science, Engineering Shown

Exhibit Features Freshman Hobbies

Aviation, Marine Models, and Nautical Devices Shown

Scientific born-diagnosing, an exhibition of freshman hobbies, will be one of the features offered at Open House today.

Henceforth, freshmen were not excluded because they had not been in school for a long enough period to earn them the right to design and demonstrate high speed displays. This year, however, about 28 individuals of the class have been accepted for the exhibit. (Continued on Last Page)

Bongodging

Whooping It Up at Technique Rush

Four Colleges Enter Crews In Regatta Today

Syracuse, Harvard, Cornell And Technology Meet On Charles At 2:30

Tech May Provide Surprise Win

Strengthened by the return of Wing Bates, strokes, a light but spirited varsity crew is entering today's regatta with Harvard, Cornell and Syracuse, with chances about even for a victory. Although average crew times do not reveal the Tech boat has more than a ten chance of a victory, the enthusiasm around the boat house and the unusually high morale among its members point to a big upset in the predictions.

The Tech boat is entering the regatta as the most experienced entry of the afternoon, having already met (Continued on Page 3)

Crew

Five dollars to the man getting the fastest time will be paid to the group obtaining the most paddles are the additional prizes which will be awarded in the annual Technique Rush to be held this afternoon at 3:30 on the track field.

More than a hundred men are expected to participate in the mad scramble for position, handed out through a slot in the top of a slipper chest. The slipper chest is a copy of the Institute's year book. Fifty dollars of prize money will be awarded.

Technique Rush

$5 in Prizes Will go to Winners of Paddles in 1935 Technique Rush

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The 4-Inch Mortar Shell, 15 Feet Long

A role mechanism causes the plunger to function when a miniature gun range is fired. A miniature gun range is fired.

The latest in scientific developments could be seen in the Welding Laboratory. The production of "cold light" by the use of a small electric arc is demonstrated by the Department of Geology.

A lecture by Dr. W. H. V. Leith, the Medical Director and is being served in two hour shifts by each member of the Medical Staff together with his wife.

The refreshments have been prepared by the Medical Staff and are being served in two hour shifts by each member of the Medical Staff together with his wife.

Recent inventions for probing the depths of the earth will be demonstrated by the Department of Geology.

The process of extracting gold from its ore will be featured by the Department of Mining and Metallurgy today.

The conclusion of the process beginning with the crushing of the ores of ore to the final reduction of the mercury will be shown in Room 8-26.

The ore is first crushed by two stamps working alternately side by side (Continued on Last Page)

Crushing, Amalgamation, And Separations Included

Extraction of Gold Is Demonstrated By Mining Department

Metallics

Machines Exhibited For Fatigue Testing

The Dynamics of Materials Laboratory has as its exhibit two fatigue testing machines and a Magnaflux tester for surface cracks of steel.

In the Magnaflux tester, the surface of the steel is highly covered with many divided magnetic particles and is then magnetized so that the formation of an external field is prevented.

Visitors Crowd Halls, Demonstrations, and Labs.

Institute Extends Welcome; Host to Thousands of Guests

Technology In Full Operation To Present Picture Of School

Amazed, curious, and interested crowds thronging the Institute as Technology welcomes thousands of visitors to its fourth Open House today.

Several groups will reluctantly use themselves from the multitude of display displays. Today's talk of 15 o'clock brings to a close one of the longest group talks.

Ten million volts rip the atom to pieces, seen together in the machine house, may be observed. Four hundred horsepower engines may be seen in the Steam Laboratory, slender glass tubes operate upon almost iridescent cells under the biology microscope.

Above all, there is the fun and activity of the Institute as an exhibition of the Institute as an exhibition. The latest in scientif develop (Continued on Last Page)

General Story

Geologists Probe Depths of Earth With Magnetometer

History Of Institute Grounds For Past Billion Years Illustrated

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