20,000 EXPECTED TODAY
FOR TENTH OPEN HOUSE

Progress in Scientific Research
Depicted by Varied Exhibits
Given by Professional Courses

DR. E. H. HUNTRESS
TO DEMONSTRATE HIS 'COLD LIGHT'

"Luminous" Gives Enough Light,
When Oxidized, To Take Picture

SUBSTANCE KEPT SECRET

Chemiluminescence, or the production of "cold" light by means of chemical reaction at relatively low temperatures, will feature the Course exhibit today. Recent discoveries of Dr. Ernest H. Huntress make possible this startling and remarkable demonstration.

An organic substance which Professor Huntress has kept secret under the name "luminos", is oxidized in a mildly alkaline solution. Although the reaction occurs at a temperature so low that a piece of ice in the solution will not melt, enough light to take a picture is produced.

In the accompanying photograph, Dr. Huntress is preparing Chemiluminescence. (Continued on page 62)

COURSES VI-A: Room 10-267, telegraphy; Room 10-230, electrical engineering. Exhibits demonstrating the very latest developments in all fields of applied science will be featured. Scientists and engineers will be on hand to answer questions and explain the new developments, which range from ordinary laboratory apparatus to special apparatus that Langmuir, Steinmetz, Rutherford, MaTconi, and Millikan—some of them may be named Langmuir, Steinmetz, Rutherford, MaTconi, and Millikan—some of them famous scientists of today. Among the exhibits will be a wide variety of special apparatus (Continued on page 61)

CHINESE ABACUSES WILL BE DISPLAYED

Abacus Was Used By Ancients 3000 Years Ago

How the Chinese have added, subtracted, and multiplied for the past three thousand years will be shown by the Mathematics Department in Room 4-251. This exhibit will detail the history of the abacus, from the first simple counting device to the more modern versions of the abacus, such as the Chinese abacus. This exhibit will give visitors a glimpse into the world of ancient mathematics.

The abacus is a counting tool that was used by the Chinese for thousands of years. It was invented in ancient China and has been used for numerical calculations for centuries. The abacus consists of a frame with a set of beads that can be moved to represent numbers. The beads are divided into two groups, one group for calculating and one group for displaying results.

Glassblower Displays Handicraft
By Making Intricate Ship Models

J. E. Ryan To Blow Glass Ships
And Shape Scientific Apparatus

Elevating intricate glass ship models and laboratory apparatus will be shown as a part of the Open House. Room 10-250 will be a busy place today with Mr. Ryan, who has been working on these models for twenty-five years, will be able to follow the progress of cast iron, aluminum, and steel. The models will be on display in the pattern making shop, Room 10-250, and in the freshman engineering building, Room 10-230, where students will be able to see the models in progress.

The models are made using a variety of materials, including glass, plastic, and metal. They are designed to be used for educational purposes, and are often used in science classes to help students understand complex concepts.

Mr. Ryan's work is so intricate that he is able to make a model of a 17-super-ton vessel, which is the largest ship in the world. He has been working on this model for three years, and is still not finished. The model is made using a technique called "cold casting," which involves pouring a mixture of metal and plastic into a mold and allowing it to cool before it is removed. The finished model is then polished and painted to give it a realistic appearance.

A lacrosse game on the Coop field, and a review of minor sports in the Walker Memorial Gymnasium will complete the athletic program. There will be no change in the schedule between the halves of the sports exhibition.

Freshman R. O. T. C. Men
Guide Wandering Visitors

The liveried youngsters will be on hand to guide wandering visitors to the various exhibits. They will be dressed in their best uniforms, and will be able to answer questions and provide information about the exhibits.

Planes and fancy colossal ships will feature one part of the special exhibit being staged to "Farewell Freedom" in the Institute's R. O. T. C. Unit. Only a few first-year men, however, will know that a shift in the work of the group has been assigned to guide duty about the buildings. The students will be posted at strategic positions around the Institute and will direct visitors to points of interest during the day.

SPORTS, STUDENT ACTIVITIES OFFER VARIED PROGRAM

Track Meets, Technique Rush
To Feature Afternoon's Athletic Events

Miniature Railroad, Model Of Cape Cod Canal Among Displays

Twenty thousand visitors from all parts of the eastern United States are expected to attend the magnificent pageant of science and engineering which is being presented by the Institute. When Technology, throws open its doors to the public in its tenth annual Open House.

Hundreds of experiments and exhibits demonstrating the very latest achievements in all fields of applied science and theoretical science will be offered while practically all of the Institute's regular laboratories will be in full operation throughout the day.

The Institute's R. O. T. C. Unit will present a paternalistic program in technical fields, the various departments of the Institute having prepared their most spectacular and interesting demonstrations for the diversion of their guests.

Student Activities Day

Visitors will also enjoy an opportunity of viewing student activities and athletics during the afternoon and evening. At the Wickliffe Technological and the University of Maine will hold a track meet on Tech Field, after which some junior technicians and students of the University will be expected to attend the magnificent display going on, Isolated Miniature Railroad, Model Of Cape Cod Canal Among Displays.

TEA DANCES IN WALKER

The Institute's R. O. T. C. Unit will also provide tea dances in Walker Memorial, which will be available for the entertainment of the Institute's guests.