Mueller Tower New Peak In Science of Electronics

25 Schools **Now Boast** Carillons

The newest achievement in the science of electronics will be demonstrated when the Ralph Mueller Tower carillonic bells ring out for the first time at the dedication corresponds Nov. dedication ceremonies Nov. 4.

The University will join a se-lect group of about 25 American universities and colleges which include carillon music as a campus tradition.

Other Carillon Towers.

Iowa State college has a caril-Ion tower but the University will be the first in the midwest to have the new electronic development according to Prof. Linus Burr Smith, chairman of the architecture department.

Other schools which boast carillon towers include, Princeton,
Minnesota, Stanford, Duke, Wellesley, Wisconsin, Pennsylvania
and Washington.
The Mueller bells are not cast
bells at all, Instead of a tower

supporting 75,000 pounds of bells, the Mueller Tower has a small case weighing about 266 pounds. Inside the case are the "bells."

Instead of bells, there are thin metal rods about the diameter of a lead pencil. They vary in length from 13 to 24 inches. Each is cast or bell metal. Each generates a bell tone (finer and more dis-tinct than bells themselves) when struck by an electrically operated tiny hammer.

Magnified Tones.

The miniature tones produced when the rods vibrate set up a pattern which duplicates that of a traditional cast bell. These vibrations or sounds are electrically transmitted to vacuum tubes and with the assistance of elec- fees of the Homecoming house tronic circuits, develop a vol-ume and tonal quality that is considered by most experts to be tee, announced.

power is used the music can be office from 1:45 to 5 p. m. heard for about 15 miles. In actual practice however, the bell music will be heard only on the campus and immediate vicinity.

Keyboard Operator,

The Carillon Tower differs in bell towers . These carillons are by the use of rolls of plastic maoperated manually from a key- terial, similar to the old player board which covers two octaves pianos. of the musical scale and looks like a piano keyboard. The traditional bells are played by striking lon bells between classes. pegs or levers with the fist or = palm of the hand and requires many years of training to play.

The Nebraska carillonic bells

2 Ag Instructors To Study Radio

Dr. Elvin Frolik and Dr. M. D. Weldon of the University agron-omy department will leave Lincoln early Saturday morning for Treasure Island, Calif., where they will undergo six weeks of intensive training in a radio-logical defense school.

Both men are members of Army's organized Reserve Development Group at Lincoln, composed mostly of University faculty members. The unit is part of the logistics division of the Army general staff. Dr. Frolik recently accepted a reserve Army commission as major. Dr. Weldon is a lieuten-ant colonel. Dr. Clifton W. Ackerman, chairman of the University's agricultural chemistry department, is commanding officer of the unit.



BELL MUSIC-The science of electronics has made the art of bell music less cumbersome. Here are the carillonic bells in the Ralph Mueller tower, being examined by Prof. Myron Roberts of the music department and a student of carillons. The rods, struck by tiny hammers, produce sounds exactly like bells, when amplified electronically. (U. of N. Photo.)

Display Fee

Only 23 out of 45 possible_entries have turned in their entry displays, Paul Weltcheck, chairman of the Homecoming commit-

superior to that produced by the traditional cast bells.

The Mueller Tower "carillonic bells" have a 1,200 watt amplifier, which means that if the full can be paid at the Cornhusker office from 1:45 to 5 p. m.

Rules for the house display were also announced by Weltchek. Deadline for completion of the decorations has been set at 6:30 p. m. Friday, Nov. 4. Any house turning on their lights be-

other way from traditional can also be played automatically

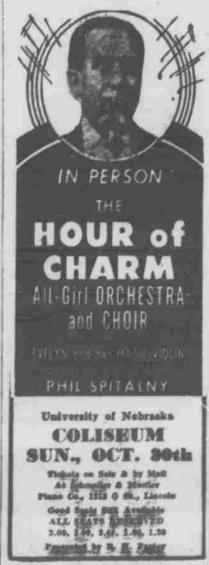
Proudly Presents **SAT., OCT. 29**

ORCHESTRA

tween 6:30 and 7:45 will be disqualified.

This rule has been made be-cause of the possible detraction from the dedication ceremonies of the Mueller tower. The tower will be dedicated from 7 to 8 p. m.

Decoration expenses should not exceed \$50. Expense records for the display must be turned into Weltchek by Thursday, Nov. 3.



WWW.

ISA to Hold Convention Monday in Union Ballroom

7:30 p.m. in the Union ballroom.

to tell independent students about | Council member Ben Wall. the Regional Convention scheduled to be held at the University Nov. 11 and 12, ISA will also set up wards for independent students at the convocation.

A new system of wards will be Kansas, Colorado, Wyoming area. used this year, according to Bill Plank, ISA president. Instead of

ture speakers, reports of past activities of ISA, and outlines of the coming months plan

"Hey!" cried Satan to a new arrival "you act as if you own the place."

Twenty Students Per Ward For every 20 students not beon the ISA council.

A convocation for all members | The convocation Monday will of the Independent Students As- feature an introduction of ISA sociation will be held Monday at officers and of the new sponsor Mrs. Betty Quinton, Also planned The convocation is being held is a report from ISA Student

The convention , which is being held for the first time at Nebraska will be attended by at least 12 schools from the Nebraska,

The regional meeting is held to give member schools a chance weekly meetings of each of the to discuss mutual problems, and 20 ward members, a monthly formulate ideas for the National convention.

longing to an independent or- A professor is a man whose job ganization or house, there will is to tell the students how to solve be a ward. Each of these wards the problem of life which he himentitled to one representative self tried to avoid by becoming a

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