

# 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 carillon bells ring out for the first time at the dedication ceremonies Nov. 4.

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

### Other Carillon Towers.

Iowa State college has a carillon 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 200 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 distinct than bells themselves) when struck by an electrically operated tiny hammer.

### Magnified Tones.

The miniature tones produced when the rods vibrate set up a series of tones in a harmonic pattern which duplicates that of a traditional cast bell. These vibrations or sounds are electrically transmitted to vacuum tubes and with the assistance of electronic circuits, develop a volume and tonal quality that is considered by most experts to be superior to that produced by the traditional cast bells.

The Mueller Tower "carillon bells" have a 1,200 watt amplifier, which means that if the full power is used the music can be 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 one other way from traditional bell towers. These carillons are operated manually from a keyboard which covers two octaves of the musical scale and looks like a piano keyboard. The traditional bells are played by striking pegs or levers with the fist or palm of the hand and requires many years of training to play.

The Nebraska carillon bells

## 2 Ag Instructors To Study Radio

Dr. Elvin Frolik and Dr. M. D. Weldon of the University agronomy 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 lieutenant 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 carillon 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 Payment Urged

Only 23 out of 45 possible entries have turned in their entry fees of the Homecoming house displays, Paul Weltchek, chairman of the Homecoming committee, announced.

Since the deadline for entries is 5 p. m., tonight, Weltchek urged remaining houses to pay this fee. The \$2.50 entrance fee 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-

can also be played automatically by the use of rolls of plastic material, similar to the old player pianos.

Prof. Smith says tentative plans call for the playing of the carillon bells between classes.

**TURNPIKE**  
"WHERE THE BIG BANDS PLAY"  
Proudly Presents  
**SAT., OCT. 29**  
IN PERSON  
MUSIC LEADER COMPOSER  
**CARMEN CAVALLARO**  
AND HIS ORCHESTRA

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

This rule has been made because of the possible detracting 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.

IN PERSON  
THE  
**HOUR of CHARM**  
All-Girl ORCHESTRA  
and CHOIR  
WELLYN and her PRINCE WOOD  
PHIL SPITALNY  
University of Nebraska  
**COLISEUM**  
**SUN., OCT. 30th**  
Tickets on Sale by Mail  
At Schmoller & Mueller  
Fiano Co., 1213 O St., Lincoln  
Good Seats Still Available  
ALL SEATS RESERVED  
3.00, 1.50, 1.00, 1.00, 1.00  
Reserved by S. E. Ziegler

# ISA to Hold Convention Monday in Union Ballroom

A convocation for all members of the Independent Students Association will be held Monday at 7:30 p.m. in the Union ballroom.

The convocation is being held to tell independent students about 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 used this year, according to Bill Plank, ISA president. Instead of weekly meetings of each of the 20 ward members, a monthly convocation will be held for all ward members.

The monthly meetings will feature speakers, reports of past activities of ISA, and outlines of the coming months plan.

### Twenty Students Per Ward

For every 20 students not belonging to an independent organization or house, there will be a ward. Each of these wards is entitled to one representative on the ISA council.

The convocation Monday will feature an introduction of ISA officers and of the new sponsor Mrs. Betty Quinton. Also planned is a report from ISA Student Council member Ben Wall.

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

The regional meeting is held to give member schools a chance to discuss mutual problems, and formulate ideas for the National convention.

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

"I do," was the answer, "my wife gave it to me before I came here."

A professor is a man whose job is to tell the students how to solve the problem of life which he himself tried to avoid by becoming a professor.

## VAN HEUSEN SHIRTS

Are Sold Exclusively in Lincoln at

Men's Store  
Street Floor



**Bear up, Bub ...**  
plenty of hugs with  
**VANACA Flannel sport shirts**

And Van Heusen's soft, smooth 100% wool Vanaca Flannels bear up under any treatment. A rainbow of colors and patterns come in models that include regular California Lo-No ...zipper...bib...and new Van Trix pullover with knitted collar, cuffs, waist. Famous Van Heusen seamanship ... action-tailored. \$6.95 and up

**Van Heusen® shirts**  
"the world's smartest" shirts

PHILLIPS-JONES CORP., NEW YORK 1, N. Y.