

## short stuff

University of Nebraska Young Republicans Chairman Kent Fillman announced today that Lincoln Mayor Sam Schwartzkopf and mayoral candidate Helen Boosalis will be guest speakers at the YR's April 16th meeting, to be held at the Nebraska Union at 8 p.m.

Professor Doctor Claude Fouassier will speak on "Optical Properties of Europium (II) Fluorides" today at 3:30 p.m. in 110 Hamilton Hall. An informal discussion period for all interested students will start at 2:30 p.m. in 548 Hamilton

followed by refreshments in 801 Hamilton.

The Food Science Club is holding elections for 1975-76 Tuesday at 7:30 p.m. in the Filley Hall 215.

Phi Upsilon Omicron is sponsoring a group service project with the Madonna Home after a short business meeting Tuesday at 6:30 p.m. in the Home Ec Bldg. Rm. 104.

Management Professor William Torrence and Don Allison, chairman of the modern languages department will speak about business and career opportunities where knowledge of a foreign language is necessary, Tuesday at 1 p.m. in the Nebraska Union Ballroom.

The Lincoln Labor Co-Op will be sponsoring weekend projects April 18 thru 19, and May 2 thru 3. Persons interested in contributing their help should stop by the Student Volunteer Services Office, Rm. 200, Nebraska Union.

Student Volunteer Services will pay \$10 for the best design submitted for a newsletter logo. Entries should be submitted in Rm. 200, Nebraska Union by April 18. For more information call 472-2486 or 472-2487.

The Lincoln Parks and Recreation Department is sponsoring a free three-week backpacking clinic starting May 14, 7 to 9 p.m. Call 475-6929 for information.

## USDA administrator:

# Food needs surpass supply

By John Kalkowski

Food producers never may meet food demands of the world again, Talcott Edminster, United States Department of Agriculture (USDA) administrator, said Friday.

Edminster was the speaker at the E-Week convocation in the Nebraska Union. He is the administrator of the USDA Agricultural Research Service and is helping seek solutions to the world's food problems.

During the 1960s and early 1970s, the United States and other grain exporting countries actually held down production to reduce surpluses, he said.

This abruptly changed in 1972, Edminster said, when world food production declined by 35 million tons. He said food production in 1973 and 1974 was not able to rebuild food stocks.

### Too pessimistic

The view that the world may never produce enough food again is too pessimistic, Edminster said.

According to Edminster, demographers estimate that the world population will double in the next 25 years. Because of the increasing population, food production will also have to double.

It is the duty of all types of engineers to improve food production. Meeting needs is not "simply a matter of doubling the present structure," he added.

New technology must be developed in every facet of food production, transportation, processing and storage of food, according to Edminster.

### Man and animal power

But, he said, this new technology will not be used everywhere. In some parts of the world, this technology must be very simple, relying on man and animal power, Edminster said.

According to Edminster, there are two ways to increase agricultural production. One is to bring new lands under cultivation. The other is to increase production on lands presently under cultivation.

Because of widespread publicity about how crowded the earth has become, Edminster said many people are surprised to learn there is a vast amount of suitable land not being used for crops.

At least twice as much land is suitable for crops than is presently used, he said. He added that this includes about 7.8 billion acres that could be used to grow food crops.

### Not a simple answer

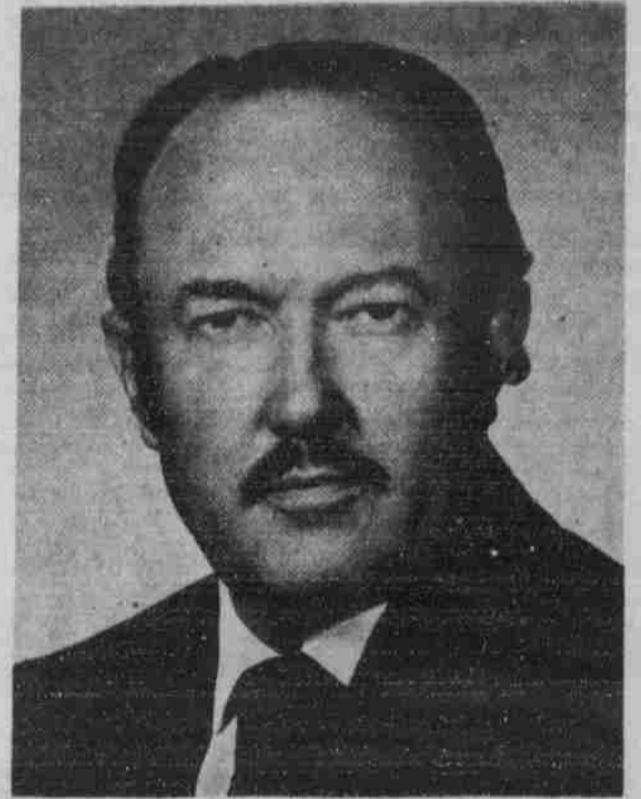
Bringing these billions of acres into production isn't the simple answer it may appear to be, Edminster said. The major thrust in increasing food production will come on the lands already being farmed or on underdeveloped lands adjacent to them, he said.

According to Edminster, engineers will be in the forefront of increasing food production.

But, Edminster said, one of the failings of the engineering profession is that they have been satisfied to build monuments, such as irrigation schemes, and then leave the operation to others.

Edminster said one of the most successful projects he knows about is one in Pakistan, where engineers "spend time in their boots, with shovels in their hands, teaching farmers how to use water."

According to Edminster, to solve the world food problem, it will take practical but innovative engineers who know the theories as well, they can adapt them to practical solutions



Talcott Edminster, administrator of the USDA Agricultural Research Service.

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### She's A Marvel . . .



### CATHOLIC TEACHERS

This is Marvel Reeves. What's a UNL graduate doing driving a bus? Marvel is Catholic Teacher Corps teacher. She is a Physical Education instructor at St. Patrick's School in Lincoln and also helps out with the school bus driving. "Having been raised on a farm, I'm used to driving rigs like this," she says.

She heard about the Catholic Teacher Corps from a friend. "I'm not making much money in this program," she says, "but I know I'm helping the kids and St. Pat's parish. I'm not sorry I signed up."

We need more Marvels. Interested? Write to  
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