

Dean Trotter Appointed Honorary Degree To Be Presented

The Associate Dean of the University of Nebraska College of Agriculture and Home Economics has been appointed to the Advisory Council for the New York State College of Home Economics.

Dr. Virginia Trotter who is also director of the University of Nebraska's School of Home Economics, received a one-year appointment beginning July 1. The College of Home Economics is located at Cornell University in Ithaca, New York.

Before coming to Nebraska, Dean Trotter was assistant to the dean and chairman of the Home Economics Department at the University of Vermont. She received her Bachelor's and Master's degrees from Kansas State University and holds a Doctor's degree from Ohio State University.

Some of Dr. Trotter's present activities include president-elect of the Nebraska Home Economics Association Committee on Rehabilitation of the Handicapped.

She is a member of the Nebraska Governor's Committee on the Status of Women, a board member of the Nebraska Heart Association, and has recently been appointed as chairman of the Handicapped Homemaker Subgroup of the Women's Committee of the President's Committee on Employment of the Handicapped.



Dr. Virginia Trotter

Future Hired Hand May Be Computer

Although farmers were a little shy about trying out the computers at the Third National Grassland Field Day, enough did go through the line to please the officials in charge.

About 150 put problems through the International Business Machine computers at the University of Nebraska Field Laboratory at Mead and many others were interested spectators.

The demonstration, called "Computers - Your New Hired Hand," was intended primarily to familiarize farmers with the potential value of computers to their farming operations.

Planning of the demonstration had been the cooperative work of Roger Jones, IBM systems engineer, and Dr. Donald Edwards, University agricultural engineer.

Helping at the Field Day were Dr. James A. DeShazer, University agricultural engineer, and Jack Nielsen of IBM.

The demonstration attracted international attention.

A representative of the David Brown manufacturing company of England observed the approach used with great interest, as did the head of an Australian university's agricultural engineering department.

They were interested primarily in the ideas being used to create interest among the farmers, they said. They have been facing the problem of how to make farmers aware of the usefulness of computers in planning their operations and solving their problems.

Here is how the demonstration worked: -Each person attending the Field Day received an information packet which included a form to be filled out.

Information of the form included name and address, cost of gasoline tractor wanted, name and model of

gasoline tractor, cost of comparable size diesel tractor, name and model of diesel tractor, cost of gasoline tractor, cost of diesel fuel, fuel consumption of the two tractors, estimated number of hours per year the tractor would be used.

-A battery of four county agents was on hand to help fill out the blanks, especially the part in fuel consumption, which came from the Nebraska Tractor Test Report.

-The forms were then given to Jones or Nielsen, who had a card punched if the problem was to be worked locally or had it typed into a special telephone hookup if it was to be worked in the IBM Computer Center in Chicago.

-The computers analyzed the data and printed out answers which indicated the number of years the farmer must use the more expensive diesel tractor to break even on cost with the gasoline model.

-The farmer could interpret the data himself or take it to a group of University agricultural economists for them to interpret.

One fact that emerged from the demonstration is that most farmers tend to over-estimate the number of hours per year that they operate a tractor.

Aileen Lockhart, a former member of the University of Nebraska faculties and now a professor of physical education and education at the University of Southern California in Los Angeles, will receive an honorary Doctor of Science degree at the University of Nebraska's summer commencement, Friday, Aug. 4.

Professor Lockhart, recognized nationally as a leader in physical education, has specialized in the study of motor learning and her research has contributed to advances in that field and to developments in physical therapy.

Her professional papers have been published widely. She is the author of two books and co-author of three others and has been active in several professional physical education societies.

A native of Atlanta, Ga., she received her undergraduate degree from Texas Woman's University and her masters and doctoral degrees from the University of Wisconsin, where she served on the staff before coming to Nebraska in 1942.

Dr. Lockhart served with the University of Nebraska's department of physical education for women until 1949 when she went to the University of Southern California. She has held visiting professorships at the Universities of Oregon and Washington and a continuing lectureship at Smith College.

The honorary degree citation notes "her contributions to advances in the field of motor learning, her devotion to scholastic standards and to students, and her accomplishments as a former member of the University of Nebraska faculty."

Approximately 600 degrees will be conferred at the University's summer commencement, over half of them at the masters or doctoral level. The program is scheduled for 7:30 p.m. on the mall east of Memorial Stadium.

Vocational Agriculture To Play Strategic Role

The world's rapidly increasing need for food will give agriculture an even more strategic role in the next decade, according to Dr. Franklin Eldridge, director of resident instruction at the University of Nebraska College of Agriculture and Home Economics.

Dr. Eldridge told the annual State Conference for Vocational Agriculture Instructors that population is expanding faster than the food supply and this increases the need for educated people in agriculture.

He noted that there is a growing interest in agriculture among young people.

One indication of this growth is the 85 per cent increase in agricultural undergraduates at the University in the past five years. This is slightly larger than the overall growth of the University, he pointed out.

Eldridge said that in 1967 there were 136 University graduates in agriculture. There were job openings for at least twice that many.

Teacher important He stressed the importance of the high school vocational agriculture teacher and also the importance of technical agriculture schools like the one the University operates at Curtis.

The technical agriculture school and the University farm and ranch short courses provide non-college but post-high school training in agriculture.

Eldridge also said that a vocational agriculture teacher who has had eight years of experience is worth at least \$12,000 a year to his community.

The increased income he has brought the community through the new and profitable farming practices he has taught his students and the community's farmers make him worth that kind of salary, Eldridge continued.

Vocational agriculture needs to broaden its program to meet the needs of

more people, according to Alan Kahler, professor of agricultural education at the University.

Kahler told a group of 120 vocational agriculture teachers attending the conference that only 37.7 per cent of 1954-58 farm-reared Nebraska high school graduates currently are farming.

Migrants

His study of 1,120 graduates from 69 high schools throughout the state showed that those in non-agricultural occupations are more apt to migrate than those in farming.

Slightly more than 65 per cent of the graduates had gross incomes of \$6-9,000. In addition 65 per cent of those with gross incomes of more than \$12,000 were farming.

Kahler's study also revealed that 23.5 per cent of those in farming had gross incomes of less than \$3,000.

The highest percentage of boys going back into farming graduated from Class D schools and the second highest percentage came from Class B schools.

Kahler said vocational agriculture training has a definite effect in keeping boys on the farm. He noted that 72 per cent of those farming had taken seven or more semesters of vocational agriculture.

In addition, the study

showed that the more semesters of vocational agriculture a boy had taken, the higher his income tended to be.

Kahler said that a study of graduates by their class rank showed that those in the top group tended to leave the farm.

The greater the number of brothers a boy had, the less likely he was to go into farming.

Kahler also said that lack of capital or land did not appear to be major reasons why graduates did not go back to the farm.

Only eight per cent blamed shortage of land, nine per cent a lack of capital and 21 per cent a combination of the two for their decision to leave the farm.

The two most common reasons given were college and military service.

The most popular off-farm agricultural occupations were feed and grain (27.9 per cent), livestock marketing and processing (18.7 per cent), and farm machinery (13.9 per cent).

Kahler said the percentage of Nebraska farm graduates (14 per cent) who were professional or technical personnel was slightly higher than that of surrounding states.

Nebraskans Attending Conference

About 50 Nebraskans are attending the National Extension Homemakers Conference in Brookings, S. Dak.

Mrs. Elmer Barnhill of Lincoln, president of the Nebraska Council of Home Extension Clubs is the official Nebraska delegate to the 31st annual conference.

The Nebraskans will join more than 2,000 extension homemakers from 43 states and Puerto Rico at the meeting July 31-Aug. 4. The theme is "The American Home - An Educational Institution".

Dr. N. P. Raiston, deputy administrator of the Federal Extension Service; Dr. Robert Rouse, president of the American Medical Association and Dr. Margaret Browne, director of the Federal Extension Service home economics program are among the program speakers.

The conference agenda includes workshop sessions on family stability, consumer competence, family health, family housing, community and resource development, citizenship, family life, international relations and public information.

South Dakota Gov. Nils A. Boe has proclaimed the week of July 30-Aug. 5 as South Dakota Extension Homemakers Week.

Moseman Becomes Council Associate

Dr. Albert H. Moseman has been appointed an Associate of the Agricultural Development Council, effective today.

The Agricultural Development Council operates a program to develop competence in dealing with economic and human problems of agricultural development. Much of Dr. Moseman's work will be in Asia although he will be stationed in New York.

Dr. Moseman is currently Assistant Administrator for

Technical Cooperation and Research of the Agency for International Development (AID).

He received both his B.S. and M.S. degrees from the University of Nebraska where he was a member of Sigma Xi, Alpha Zeta and Innocents Society. He received his Ph.D. in plant genetics from the University of Minnesota.

Prior to joining the Rockefeller Foundation in 1956, he was Director of Crops Research for the United States Department of Agriculture. In 1965 he left the Foundation for his present post with AID.

In 1965 Dr. Moseman received an honorary doctorate from the University of Nebraska.

Teacher Shortage

Competition with industry is one of the main reasons for a current shortage of vocational agricultural teachers according to Dr. James Horner, chairman of the University of Nebraska's Agricultural Education Department.

Dr. Horner noted that earlier this year there were 36 vo ag teaching positions available in Nebraska. Despite hiring teachers from other states and shifting assignment, three positions still remain vacant.

The remaining vacancies are at Gordon, Kimball and Omaha South, which would like to add a second vo ag teacher.

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