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## Agricultural Experiment Station News April 1974

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UNIVERSITY OF NEBRASKA-LINCOLN  
COLLEGE OF AGRICULTURE  
THE AGRICULTURAL EXPERIMENT STATION  
H. W. OTTOSON, DIRECTOR AND  
ACTING DEAN

# Agricultural Experiment Station

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Vol. 6, No. 10, April 1974

The first few days at the University of Nebraska have been filled with opportunities to meet many of the staff. We have been able to make a thorough tour of the current veterinary science facilities. We have visits scheduled to each Station and will also be visiting each Department over the next few months. We look forward to acquiring an understanding of the total Experiment Station activity.

Duane Acker  
Vice Chancellor

## THE INSTITUTE OF AGRICULTURE AND NATURAL RESOURCES

In addition to the new Vice Chancellorship in which Dr. Acker serves as the "over-all" agricultural programs administrator replacing Dean Frolik, the Conservation and Survey Division and the Water Resources Research Institute with Director Dreeszen and Director Viessman respectively have been added to his administrative family. At the same time there are some changes for administrators of the major agricultural units in the Institute.

Dr. Hartung, formerly Director of Resident Instruction and Associate Dean, is now Dean of the College of Agriculture. The "College of Agriculture" now applies only to the resident instruction programs in agriculture. There has been some misunderstanding of Dr. Hartung's new designation. His duties have not changed--only the title. He is still a good fellow to work with, the encumbrance of his new title notwithstanding.

Likewise Dr. Adams and Dr. Ottoson have new titles of Director, Agricultural Extension Service and Director, Agricultural Experiment Station respectively. The formerly added title of Associate Dean has been dropped. These Directors are "Dean equivalent" and thus parallel to Dean Hartung and other Deans. The relationship of the three primary divisions of Agricultural programming to each other are unchanged.

Dr. E. A. Dickason is Director of Foreign Programs within the Institute as well as Chairman of Entomology.

R. W. Kleis

## PERSONNEL ACTIONS

Congratulations to the following individuals who were granted tenure and/or promoted in rank at the Board of Regents meeting in March 1974.

### Tenure:

Robert V. Klucas - Agr'l Biochem. Lab.  
Thomas B. Bare - Agr'l Comm.  
Virginia A. Book - Agr'l Comm.  
Janet K. Poley - Agr'l Comm.

Ronald T. Daly - Human Dev. and the Fam.  
Robert E. Perry - North Platte Sta.  
Edwin J. Penas - S.E. Ext. H.Q.

### To Assistant Professor:

Charles H. Koopman - Bus. and Fin.

Jerold H. L. Bell - Ent.

Personnel Actions (continued)

To Associate Professor:

Paul H. Gessaman - (w/tenure) - Agr'l Econ.  
Paul W. Lytle - (w/tenure) - Agr'l Econ.  
David L. Keith - (w/tenure) - Entomology  
Kenneth D. Frank - (w/tenure) - S.C. Sta.

Anne M. K. Vidaver - Plant Pathology  
Floyd B. Mather - Poultr. and Wildlife Sci.  
James L. Peters - North Platte Sta.

To Professor:

Larry L. Bitney - Agr'l Economics  
Philip H. Cole - Animal Science  
Roger M. Mandigo - Animal Science  
Roy G. Arnold - Food Science and Tech.  
James L. Van Etten - Plant Pathology  
James T. Nichols - North Platte Station

Gary A. Peterson - Agronomy  
Terry J. Klopfenstein - Ani. Sci.  
Dave Williams, Jr. - Ani. Sci.  
Kenneth G. Schmidt - 4-H and Youth  
David S. Wysong - Plant Pathology

GRANTS AND CONTRACTS

Bullerman, Lloyd B. - Food Science and Technology - NIH	\$ 12,412
Burnside, Orvin C. - Agronomy - Shell Development Company	800
Clanton, Donald C. - Animal Science (NP Sta.) - E. I. DuPont	3,500
Coyne, Dermot P. - Horticulture and Forestry - Wm. Underwood Co.	500
Kendrick, James G.; Satterlee, Lowell D.; Dam, Richard et al - Agr'l Econ. Food Science and Technology and Biochemistry and Nutrition - NSF	125,900
Klopfenstein, Terry - Animal Science - Miscellaneous Donors	1,600
Manbeck, Deane - Agr'l Eng. - Upper Big Blue Natural Resources District	9,000
Olson, R. A. - Agronomy - Farmland Industries	3,600
Rehm, George - Agronomy (NE Sta.) - United States Gypsum Company	3,000
Satterlee, L. D. and J. G. Kendrick - FS&T - Dept. of Economic Development	5,000
Shahani, Khem M. - Food Science and Technology - Dairy Research Inc.	12,640
Sullivan, C. Y. - Horticulture and Forestry - OWRR--U.S. Dept. of Interior	7,650
Twiehaus, M. J. - Veterinary Science - National Disease Laboratory	500
Wittmuss, Howard D. - Agr'l Eng. - OWRR--U.S. Department of Interior	7,300

GENERAL NOTES

1. The Panhandle Station is moved into its new Headquarters at Scottsbluff. Their new phone is AC 308 No. 632-2711.
2. Sahs Sez - "It's time to drop the coffee cups, take off the 'long Johns,' emphasize the positive side of your occupation and head for the fields or other research areas.
3. Tractor Power and Safety Day - Field Laboratory - July 25.
4. Our campus will host an International Livestock Environment Symposium April 17 and 18 under the leadership of Dr. Jim DeShazer.
5. Schnieder on Safety - "About 10 people per year in Nebraska lose their eyesight from misuse of anhydrous ammonia. A new film, "For the Rest of Your Life" relating to the use of anhydrous ammonia is available from Schnieder, Agricultural Engineering Department.
6. Among employee rules of Carson-Perie-Scott, 1856--"Men Employees are given one evening a week for courting and two if they go to prayer meeting" and "After 14 hours of work in the store, leisure time should be spent mostly reading."

R. W. Kleis

Journal Articles (contact authors for more information)

3755. The Effect of Age and the Time of Day on Sex Attraction and Mating of the Face Fly, Musca autumnalis. M. F. B. Chaudhury and Harold J. Ball. Journal of Insect Physiology.
3756. Comparative Effectiveness of 39- and 2450-MHz Electric Fields for Control of Rice Weevils in Wheat. S. O. Nelson and L. E. Stetson. Journal of Economic Entomology.
3757. Development and Utilization of Productive Nutritious Wheat Varieties. V. A. Johnson. Proceedings of First Annual Meeting of the World Population Society.
3758. Registration of Cerise Proso Millet. Lenis A. Nelson. Crop Science.
3759. Purification and Properties of RNA Polymerases I and II from Germinated Spores of Rhizopus stolonifer. Cheng-Shung Gong and James L. Van Etten. Canadian Journal of Microbiology.
3760. Selection for Ovulation Rate in Swine. I. Population, Procedures and Ovulation Response. Dwane R. Zimmerman and P. J. Cunningham. Journal of Animal Science.
3761. Biological Treatment of Feedlot Runoff Following Primary Settling. T. J. McGhee, C. B. Gilbertson, David S. Baker and M. V. O'Neal. ASAE Transactions.
3762. Purification and Characterization of Syringacin 4-A, a Bacteriocin from Pseudomonas syringae 4-A. William L. Haag and Anne K. Vidaver. Journal of Bacteriology.
3763. The Auction Pricing Alternative for Agricultural Products. Ralph D. Johnson. American Journal of Agricultural Economics or Canadian Journal of Agricultural Economics.
3764. Nitrate-N in Soil Profile and Groundwater Under Abandoned Cattle Feedlots. L. N. Mielke and J. R. Ellis. Soil Science Society of America Proceedings.
3765. Plant Physiological Responses to Water Stress. Charles Y. Sullivan and Jerry D. Eastin. Agricultural Meteorology.
3766. Effects of Soil PH and Moisture on the Direct Radioassay of Herbicides in Soil. T. L. Lavy. Weed Science.
3767. Survey of the Field Efficacy of Reoviral Calf Diarrhea Vaccine. M. J. Twiehaus, C. A. Mebus and W. H. Beckenhauer. Journal of the American Veterinary Medical Association.
3768. The Effect of Building Type, Management and Percent Slatted Floors on Performance and Health Characteristics in G-F Pigs. R. D. Fritschen, N. R. Underdahl and J. A. DeShazer. International Livestock Environment Symposium.
3769. Methods for Measuring Odorous Compounds. L. F. Elliott and T. A. Travis. Journal of Environmental Quality.

3770. Some Constituents in the Atmosphere of a Housed Swine Unit. L. F. Elliott, J. A. DeShazer, E. R. Peo, Jr., T. A. Travis and T. M. McCalla. Proceedings of the International Livestock Environmental Symposium.

3771. Supplemental Iron for the Artificially Reared Piglet. David M. Danielson and John J. Noonan. Journal of Animal Science.

Journal Abstracts (contact authors for more information)

74-299. Mycotoxin Producing-Potential of Molds Isolated from Cheddar Cheese. L. B. Bullerman and F. J. Olivigni. 34th Annual Meeting of the Institute of Food Technologists, May 12-16, 1974, New Orleans, LA.

74-300. Inhibition of Aflatoxin Production by Cinnamon. L. B. Bullerman. 34th Annual Meeting of the Institute of Food Technologists, May 12-16, 1974, New Orleans, LA.

74-301. Antitumor Activity of Yogurt Fractions. R. E. Farmer, G. V. Reddy and K. M. Shahani. Journal of Dairy Science.

74-302. Effect of Cryoprotective Agents on Freeze-Drying and Storage of Lactic Cultures. K. M. Shahani and A. Kilara. Journal of Dairy Science.

74-303. B-galactosidase Activity of Cultured and Acidified Dairy Products. A. Kilara and K. M. Shahani. Journal of Dairy Science.

74-304. Male Sterility and Stigma Shape Alteration in Phaseolus vulgaris. A. M. Ibrahim, D. P. Coyne and George Emery. Report of the Bean Improvement Cooperative.

74-305. Linkage Relationships of Plant Habit, Photoperiodic Response, and Common Blight Tolerance in Phaseolus vulgaris. Dermot P. Coyne and M. L. Schuster. Report of the Bean Improvement Cooperative.

74-306. Cytoplasmic Genic Inheritance of Flower Color in the Cross Phaseolus vulgaris x Phaseolus coccineus. A. M. Ibrahim and D. P. Coyne. Report of the Bean Improvement Cooperative.

74-307. Studies on Soybean Nodule Senescence. R. V. Klucas. Proceedings of American Society of Plant Physiologists.

BULLETINS PRINTED

RB 259. A Mode of Action of Herbicides: Inhibition of the Normal Process of Nitrite Reduction. Lowell Klepper.

SB 494. Farm Partnerships for Nebraska. Steven McWhorter.

CC 254. National Legislation for Land Use Planning. Paul H. Gessaman.

OTC 159. Nebraska Grain Sorghum Performance Tests 1973. A. F. Dreier, P. T. Nordquist, G. M. Dornhoff, P. H. Grabouski, R. S. Moomaw and L. A. Nelson.

OTC 160. Millet Variety Tests 1973. L. A. Nelson.

RB 260. The Effect of 2,4-D, Grazing Management and Nitrogen Fertilizer on Pasture Production. M. K. McCarty, M. L. Cox and D. L. Linscott.