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THE AGRICULTURAL EXPERIMENT STATION
INSTITUTE OF AGRICULTURE
AND NATURAL RESOURCES
UNIVERSITY OF NEBRASKA-LINCOLN
H. W. OTTOSON, DIRECTOR

Agricultural Experiment Station NEWS

Vol. 9, No. 1, July 1976

FROM THE DIRECTOR'S DESK

We have been reexamining our respective work assignments in the Station office; the result is the following division of specific tasks. Of course, all of us represent the Station in a variety of ways in addition to these assignments.

With basic accountability for the Station program, I am concerned with general policy, program development, staff administration, budget and finance, program evaluation, publication policy, and out-of-state travel. I serve as Administrative-Technical Representative for McIntire-Stennis forestry research; of course, I participate in project and departmental reviews.

Associate Director Kleis is responsible for grants, contracts and Regional Research Funds, and is in charge of project monitoring, management, and reviews. He is the Newsletter editor and represents our office with respect to facilities and major technical equipment. He handles matters relating to support staff in the Station (B, C, D, and F, and Research Assistants and Associates). As of July 1, Bob is also serving part-time as Dean and Director of International Programs for the Institute.

Assistant Director Sahs is Supervisor of the Field Laboratory, including coordination of programs there, general purview of maintenance development, and housekeeping in assigned areas; he manages unassigned land areas. He "trouble shoots" operational matters in the Station, and monitors the revolving fund accounts. He serves as Station safety officer, and coordinates the purchase and use of major operational equipment. He is also involved in certain research projects.

In addition to being Associate Dean of the College of Home Economics, Dr. John Woodward serves as Assistant Director in the Station for Home Economics research. In this capacity he assists in the development of research projects, participates in project reviews, assists with project reporting, and generally facilitates research in Home Economics areas.

In addition to being Director of the Water Resources Research Institute, Dr. Wayne Hall is also an Assistant Director in the Station, with responsibility relating to research on water. His assignment involves working with projects, grants, and contracts, including records, plans, and reviews. He is concerned with equipment and facilities for water research. He coordinates water research in the Station.

In addition to serving as Assistant to the Vice Chancellor, Charles Koopmann serves as Personnel and Finance Officer for the Station. He handles budgets and accounts, processing of personnel actions, and monitors expenditures of funds. He trouble shoots and solves problems with respect to finance and personnel.

Current Research Information System (CRIS): The use of CRIS by Station research staff has been increasing. We encourage it. As a matter of policy we expect every staff member who is preparing a new project, or revising an existing one, to query the CRIS system for information relative to work in his area. Your chairman or district director has information on how to query CRIS. Let us know if you need further help.

Howard W. Ottoson

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PERSONNEL ACTIONS

Eshleman, Ruth E. - Associate Professor of Food and Nutrition - Resignation
Ferrell, Calvin L. - Assistant Professor of Animal Science (Courtesy) Appointment
Fischer, Loyd K. - Professor of Ag. Econ. - Return from Leave of Absence
Givens, Robert L. - Assist. Prof. of Ag. Eng. - ARS (Courtesy) Appointment
Hashimoto, Andrew G. - Assoc. Prof. of Ag. Eng.-ARS (Courtesy) Appointment
Linsenmeyer, Dean A. - Assist. Prof. of Ag. Econ. - Appointment
Nelson, Emery W. - Prof. of Ag. Ext. & Ext. Pesticide Training Coordinator - Change
Nelson, Stuart O. - Prof. of Ag. Eng. - ARS (Courtesy) Resignation
Shaffer, Teresa A. - Assistant Prof. of Food and Nutrition - Appointment
Somerhalder, Bertrand R. - Prof. of Ag. Eng. - Retirement
Whan, Mary M. - Assist. Professor of Ed. & Family Resources - Resignation
Young, Lawrence Dale - Assist. Prof. of Animal Science - ARS (Courtesy) Appointment

GRANTS AND CONTRACTS

Burnside, O. C. - Agronomy - U. S. Borax Research	500
Burnside, O. C. - Agronomy - Amchem Products	750
Burnside, O. C. - Agronomy - Stauffer Chemical Company	750
Burnside, O. C. - Agronomy - Rhodia Incorporated	800
Ball, H. J. - Entomology - FMC Corporation	1,000
Campbell, J. B. - Entomology (NP Sta.) CIBA GEIGY Corporation	500
Case, R. M. - Poultry and Wildlife Sciences - State Department of Agriculture	17,230
Clegg, M. D. - Agronomy - Pioneer Hi-Bred International, Incorporated	2,000
Compton, W. A. - Agronomy - Illinois Foundation Seeds, Incorporated	1,000
Farlin, S. D. - Animal Science - Eli Lilly and Company	2,000
Hanway, D. G. - Agronomy - Anna Elliott Fund (University Foundation)	10,000
Klopfenstein, T. - Animal Science - CPC International	8,000
Klopfenstein, T. - Animal Science - Chevron Chemical Company	4,000
Klopfenstein, T., et al - Animal Science - USDA, CSRS	144,000
Klopfenstein, T. - Animal Science - Farmland Industries	5,000
Lavy, T. L. - Agronomy - Prairie Valley Incorporated	1,000
Mayo, Z. B. - Entomology - Prairie Valley, Incorporated	1,000
Mayo, Z. B. - Entomology - Stauffer Chemical Company	750
Moser, L. E. - Agronomy - American Forage and Grassland Council	900
Perry, L. J. - Agronomy - Anna Elliott Fund (University Foundation)	9,565
Shahani, K. M.; L. B. Bullerman and T. A. Evans - FS&T - Gist Brocades	5,000
Shahani, K. M. - Food Science and Technology - W. R. Grace and Company	4,000
Stubbendieck, J. - Agronomy (Panhandle Station) Anna Elliott Fund (UF)	2,935
Watkins, J. & B. Doupnik - Plant Pathology - E. I. DuPont DeNemours & Co.	500
Wicks, G. A. - Agronomy (NP Sta.) CIBA GEIGY Corporation	500
Wicks,-G. A. - Agronomy (NP Sta.) Chevron Chemical Company	1,500
Wicks, G. A. - Agronomy (NP Sta.) Nor Am Agricultural Products, Inc.	500
Zimmerman, D. R. - Animal Science - National Pork Producers Council	2,000
Zimmerman, D. R. & P. J. Cunningham - Animal Science - USDA, CSRS	123,350

GENERAL NOTES

1. There have been extensive media coverage and many highly complimentary comments on the STAR summary report released June 24. Many of you had major time and effort investments in the effort. Thank you.

2. Over 2,000 people attended the national meeting of the American Society of Agricultural Engineers at UN-L, June 27-30.

3. Congratulations to Lowell Satterlee, Les Larsen and Dermot Coyne for recent national peer recognitions of their professional accomplishments.

5. A man is only as big as the things that annoy him.

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - June 1976

Journal Articles (contact authors for more information)

5110. Effects of Portion Thickness and Cooking Temperature on the Dimensional and Chemical Properties of Restructured Pork. J. F. Campbell, K. L. Neer and R. W. Mandigo. Journal of Food Science.

5111. The Effects of Salt and Sodium Tripolyphosphate on Flaked, Cured Pork. K. L. Neer and R. W. Mandigo. Journal of Food Science.

5112. Carcass Composition, Quality and Palatability Attributes of Bulls and Steers Fed Different Energy Levels and Killed at Four Ages. V. H. Arthaud, R. W. Mandigo, R. M. Koch and A. W. Kotula. Journal of Animal Science.

5113. The Effect of Horn Fly Control on Cows as Expressed by Increased Weaning Weights of Calves. John B. Campbell. Journal of Economic Entomology.

5114. *Clostridium sordellii* Isolated from Foals. Clair M. Hibbs. Veterinary Medicine & Small Animal Clinician.

5115. Bacterial and Viral Pathogens Associated with Land Application of Organic Wastes. L. F. Elliott and J. R. Ellis. Journal of Environmental Quality.

5116. Influence of Degree of Utilization on Chemical Composition of Diets of Steers Grazing Irrigated Pasture. J. F. Karn, D. C. Clanton and H. L. Peterson. Journal of Animal Science.

5117. Effect of the Twin-Seed Character on Sorghum Performance. A. J. Casady and W. M. Ross. Crop Science.

5118. Heterosis and Additive x Additive Epistasis. W. A. Compton. Crop Science.

5119. Heritability Estimates, Predicted Gains, and Trait Correlations in Three Grain Sorghum Random-Mating Populations Obtained from S_1 Progeny Tests. J. P. Eckebil, W. M. Ross, C. O. Gardner and J. W. Maranville. Crop Science.

5120. Some Quantitative Characteristics of Five Sorghum Random-Mating Populations. W. M. Ross, J. P. Eckebil, K. D. Kofoid and C. O. Gardner. Maydica.

5121. Infectious Enteric Viruses on Neonatal Animals. Charles A. Mebus. The American Journal of Clinical Nutrition.

5122. Symposium on Finishing Cattle on Pasture and Other Forages: Irrigated Pasture. D. C. Clanton. Journal of Animal Science.

5123. Effect of Time and Rate of Fertilization on Seeded Warm Season and Bluegrass Pastures. II. Quality and Nutrient Content. G. W. Rehm, R. C. Sorensen and W. J. Moline. Agronomy Journal Bulletin.

5124. Comparisons of Morphological Characters and Chemical Composition of Grain Sorghum Stalks in Genotypes Resistant and Susceptible to Lodging. Humphrey A. Esechie, Jerry W. Maranville and William M. Ross. Crop Science.

5125. A Revised Method for Determining Phosphate-Phosphorus Levels in Sugar Beet Leaf Petioles. G. Varvel, G. A. Peterson and F. N. Anderson. Journal of the American Society of Sugar Beet.

5126. Effects of Windbreaks on the Microclimate, Energy Balance and Water Use Efficiency of Crops Growing on the Great Plains. Norman J. Rosenberg. Presented at the Symposium "Shelterbelts on the Great Plains," Denver, Colorado, April 20-22, 1976.

5127. Laboratory Germination and Sand Emergence Responses of Alfalfa Seed to Radiofrequency Electrical Treatment. S. O. Nelson, W. R. Kehr, L. E. Stetson and W. W. Wolf. Crop Science.

5128. Comparison of the Extent and Effect of Ca Binding on the Properties of Several Food Protein Sources. G. W. Wallace and L. D. Satterlee. Journal of Food Science.

Journal Abstracts (contact authors for more information)

76-769. Clothing-Related Thermal Burn Injuries and Deaths in Nebraska for Fiscal Year 1975. Joan Laughlin. Home Economics Research Abstract Journal.

76-770. Inhibitory Effect of Acidophilus Cultured Colostrum and Milk Upon the Proliferation of Ascites Tumor. P. J. Bailey and K. M. Shahani. Journal of Dairy Science.

76-771. Enzymatic Hydrolysis of Dairy Effluents. P. J. Bailey, A. Kilara and K. M. Shahani. Journal of Dairy Science.

76-772. Preparation and Properties of Immobilized Lactase. A. Kilara, F. W. Wagner and K. M. Shahani. Journal of Dairy Science.

76-773. Performance of Certified Seed Lots of Dawson Alfalfa. W. R. Kehr and G. R. Manglitz. Nebraska Station Research Bulletin.

76-774. Combining Ability Effects for Pest Resistance in Selected (*Medicago sativa* L.) Clones. J. L. Kugler, W. R. Kehr and R. L. Ogden. Crop Science Journal - Series No. 5136.

76-775. Recurrent Selection for Alfalfa Seed Yield. W. R. Kehr, M. D. Rumbaugh, E. L. Sorensen, D. K. Barnes, D. A. Miller, R. L. Taylor, D. E. Brown and M. K. Miller. Proc. 25th Alfalfa Improvement Conference.

BULLETINS PRINTED

RB 263. Tree-Covered Land-Forms For Noise Control. David I. Cook and David F. Van Haverbeke.