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UNIVERSITY OF NEBRASKA COLLEGE OF
AGRICULTURE AND HOME ECONOMICS
THE AGRICULTURAL EXPERIMENT STATION

E. F. FROLIK, DEAN
H. W. OTTOSON, DIRECTOR

Agricultural Experiment Station



Vol. 6, No. 2, August 1973

FROM THE DIRECTOR'S OFFICE

How does your research area compare with the following report--be it your office, your laboratory, your field plot area or your animal research area? Tuesday afternoon, August 9, I attended the first Sandhills Agricultural Laboratory Field Day. This location is an example of an operation which exemplifies excellent management and good housekeeping.

1. Large, neat, well-placed signs greet the visitor as he turns off of the highway and approaches the Laboratory.
2. As the visitors come over the hill from the south, they see a headquarters pleasing to the eye, tucked into an L-shaped coniferous shelterbelt.
3. A sizeable expanse of bluegrass in front of the trailer house was neatly manicured and two lawn sprinklers were merrily whistling away.
4. A small garden rimmed with colorful flower beds was pleasant to observe.
5. An old stucco building had been repaired and painted by resident personnel.
6. The outbuildings and corrals depicted good planning. The fences were straight, steel bar panels were used in place of woven and barbed wire; there was no clutter of discarded farm machinery, broken gates, boards, manure, etc., either in front of or behind the barn.
7. Weeds were under control.
8. The 40-acre solid set irrigation system was precisely laid out in a narrow valley. Dense stands of tall, green corn displayed the objectives of various project leaders. Equipment and miscellaneous paraphernalia was concentrated into three covered trailers. Farm machinery was lined up in a machinery park area. Modest plot signs displayed the objectives of the various trials and the variations in treatments.

Comment--first impressions are lasting impressions. Neat, orderly arrangement of facilities, demonstrations, and plot areas lend credibility to the research results which are generated from an experiment station site. Positive attitudes, strong leadership, and willingness to work the resources we possess are the keys.

W. W. Sahs

PERSONNEL ACTIONS

Anderson, Lloyd - to Asst. Dist. Dir. of District I and UNL Panhandle Sta. (Title Change)
Baxter, Neal - to Asso. Dist. Dir. of District II and UNL NP Station (Title Change)
Lucas, Leo - to Dist. Dir. of Dist. II and UNL NP Station (Title Change)
Sailor, Patricia - Asso. Dean Home Ec. added appt. as Asst. Dir. of Agr'l Exp. Sta.
Stonecipher, Charles - to Dist. Dir. of District IV and UNL SC Sta. (Title Change)
Ward, Callie - to Dist. Dir. of District II and UNL NE Sta. (Title Change)

Personnel Actions (cont.)

Weihing, John - to Dist. Dir. of Dist. I and UNL Panhandle Station (Title Change)
Young, Lloyd - to Dist. Dir. of Dist. V (Title Change)

GRANTS AND CONTRACTS

Burnside, Orvin C. - Agronomy - Stauffer Chemical Company	\$ 500
Campbell, John B. - Entomology (NP Sta.) - Shell Development Company	1,000
Campbell, John B. - Entomology (NP Sta.) - Stauffer Chemical Company	2,000
Clanton, Donald C. - Animal Science (NP Sta.) - Eli Lilly	4,800
Daly, J. M. and H. W. Knoche - Biochemistry and Nutrition - Neb. Wheat Division	5,000
Fenster, C. R. - Agronomy (Panhandle Sta.) - Monsanto Company	750
Fenster, C. R. - Agronomy (Panhandle Sta.) - Mobil Chemical Company	500
Fischbach, P. E. - Agricultural Engineering - US Dept. of Interior OWRR	65,750
Fischbach, P. E. - Agricultural Engineering - Union Texas Petroleum Corp.	1,000
Flowerday, A. D. - Agronomy - Prairie Valley Hybrid Seed Company	500
Frolik, E. F. - Agricultural Experiment Station - Abbott Estate Fund	16,477
Kendrick, James G. and D. G. Anderson - Agr'l Economics - Neb. Wheat Division	2,500
Klepper, Lowell A. Agronomy - AID	24,800
Klopfenstein, Terry - Animal Science - Abbott Laboratories	8,000
Klopfenstein, Terry - Animal Science - Liquid Feed Commodities	5,000
Lavy, T. L. - Agronomy - Miscellaneous Donors	1,450
Mayo, Z. B. - Entomology - Stauffer Chemical Company	500
Moomay, Russell S. - Agronomy (NE Sta.) - Stauffer Chemical Company	500
Palmer, Louis T. - Plant Pathology - Chemagro	500
Sander, D. H., Gary Peterson & Louis Daigger - Agronomy - Neb. Wheat Div.	10,500
Satterlee, L. D., and Leonard Bashford - FS&T - Feed Service Corporation	5,970
Satterlee, L. D. & J. G. Kendrick - FS&T - Nebraska Alfalfa Dehydrators Asso.	2,600
Schmidt, John W. - Agronomy - Nebraska Wheat Division	8,000
Sullivan, Thomas S. - Poultry Science - Occidental Chemical Company	2,000
Twiehaus, M. J. - Veterinary Science - Merck Company Foundation	8,000
Wicks, Gail A. - Agronomy (NP Sta.) - Mobil Chemical Company	500
Wicks, Gail A. - North Platte Station - Stauffer Chemical Company	500

GENERAL NOTES

1. The administrators of district stations are now titled District Directors rather than Station Superintendents as previously identified. This provides the simplification of one title of both research and extension functions.
2. The Scotts Bluff Station has been renamed the Panhandle Station. This change provides more appropriate indication of its program scope for the Panhandle district. It is urged that the four outstate research and extension centers be referred to as District Stations to more clearly identify their geographic scope.
3. Congratulations to Dr. Frank Baker on his election as President of the American Society of Animal Science and to Dr. Paul Guyer on receiving that Society's national annual Extension Award.
4. Dr. Patricia Sailor, new Assistant Director of the NAES for Home Economics has been awarded an Academic Administration Fellowship by the American Council on Education for the 1973-74 academic year. She will be working with the Executive Vice President of the University of Cincinnati--Congratulations Dr. Pat.
5. The Department of Information is now the Department of Agricultural Communications.

R. W. Kleis

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - July 1973

Journal Articles (contact authors for more information)

3661. Seriological Tests for the Identification of Plant Viruses. Ellen M. Ball. American Phytopathological Society.
3662. Synthetically Spanning a Differential Infrared Moisture Analyzer. Larry L. Olson and James A. DeShazer. Transactions of the ASAE.
3663. Rainfall Runoff from Furrow-Irrigated Row-Crops on Moderately Sloping Lands. Dennis C. Kincaid and Norris P. Swanson. Transactions American Society of Agricultural Engineers.
3664. Cognitive Egocentricity of the Child Within Piagetian Developmental Theory. Violet Kalyan-Masih. Transactions Nebraska Academy of Sciences.
3665. Population Suppression of Western Corn Rootworm by Adult Control With ULV Malathion. K. P. Pruess, John F. Witkowski and Earle S. Raun. Journal of Economic Entomology.
3666. Influence of Branched-Chain Volatile Fatty Acids on Nitrogen Utilization by Lambs Fed High Roughage Rations. N. N. Umunna, Walter Woods and Terry Klopfenstein. Journal of Animal Science.
3667. Double-stranded RNA Mycovirus in Periconia circinata. Larry D. Dunkle. Physiological Plant Pathology.
3668. Effect of Environmental Temperature and Dietary Energy on Dwarf and Normal Hens and Normal Roosters. Malik M. Ahmad, F. B. Mather and Earl W. Gleaves. Journal of Poultry Science.
3669. An Automatic Two-Way Surface Irrigation Valve. Dennis C. Kincaid. ASAE Transactions.
3670. Rheological Parameters Using the Computer. Leonard L. Bashford and Richard Whitney. ASAE Transactions.
3671. Mexican Bean Beetle Control with Systemic Insecticides on Dry Beans in Western Nebraska. Arthur F. Hagen. Journal of Economic Entomology.
3672. Amino Acid Composition and Sequence of Urinary Peptides Containing Hydroxyproline. Fred W. Wagner, Burton R. Kapleau and Sara L. Shepherd. Journal of Clinical Chemistry.

Journal Abstracts (contact authors for more information)

- 73-234. Effects of Feedlot Runoff on Soil and Forage Sorghum. J. E. Sukovaty, L. F. Elliott and N. P. Swanson. Agronomy Abstracts.
- 73-235. Physical Properties of Soil Associated with Heavy Applications of Manure from Cattle Feedlots. A. E. Tiarks, A. P. Mazurak, Leon Chesnin and O. T. Cross. Agronomy Abstracts.
- 73-236. Utilizing Outcrossing Tendencies of Proso for Controlled Hybridization. Dr. Lenis A. Nelson. Agronomy Abstracts.
- 73-237. The Role of Ecofallow for Reducing Energy Requirements for Crop Production. C. R. Fenster, G. A. Wicks and Darryl E. Smika. Agronomy Abstracts.
- 73-238. Energy and Nutritional Value of Beef Cattle Feedlot Waste Fractions as Affected by Ration. C. B. Gilbertson, J. A. Nienaber, T. M. McCalla, J. R. Ellis and T. Klopfenstein. ASA.
- 73-239. Effect of Nitrogen Level and Interval of Application on TNC and Stand Survival of Irrigated Pasture Grasses. William S. Ball and W. J. Moline. Agronomy Journal.
- 73-240. Sorghum Tissue Culture and its Utilization in Testing for Cytokinin Activities. H. M. Aboul-Nadar, M. D. Clegg and J. W. Maranville. Agronomy Journal.
- 73-241. Effect of Nitrogen Application Methods on Corn Production from Irrigated Sandy Soils. G. W. Rehm and R. A. Wiese. Agronomy Abstracts.
- 73-242. Studies on Nitrogen Metabolism in Soybean Nodules. Robert Klucas. Abstracts of The Fourth North American Rhizobium Conference.

BULLETINS PRINTED

- SB 496. Cattle Feeding Costs in Nebraska by System of Feeding and Size of Operation. Ralph D. Johnson and Alfred R. Eckert.
- SB 525. The Sandhills Ranch Business in 1970 and Comparisons with 1960 and 1965. A. W. Epp and Robert E. Perry.
- SB 526. Producing Proso in Western Nebraska. L. A. Nelson.
- SB 527. Growing Dry Edible Beans in Nebraska. D. P. Coyne, Frank N. Anderson, Clifford L. Ashburn, C. R. Fenster, Arthur F. Hagen, O. W. Howe, Dean W. Lancaster, M. L. Schuster and J. R. Steadman.
- RB 192. Mycorrhizae of Ponderosa Pine in Nebraska Grassland Soils. R. W. Goss.
- RB 254. Beef Cattle--At What Weight Should They Be Sold? Franz Schwartz and J. B. Hassler.