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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. 2, No. 8, February 1970

FROM THE DIRECTORS OFFICE

Perhaps a progress report on Experiment Station Planning Advisory Committee would be of interest. As you know the departments have been busy since our annual conference in November reviewing present research programs, and identifying research needs for the next 5 to 10 years. This task is now nearly complete, and the Experiment Station Planning Advisory Committee effort now shifts to "stage 2".

In this next stage, the problem areas identified by the departments will be referred to six resource or commodity groups made up of representatives from each department which designated a representative to a group. These groups, and their chairmen, will be as follows:

Natural Resources-----Dr. Young  
Crops and Crop Products-----Dr. Hanway  
Animals and Animal Products-----Dr. Baker  
Manmade Resources-----Dr. Splinter  
Human Resources-----Dr. Woodward  
Organizational and Institutional Resources-----Dr. Vollmar

These resource groups will review the research problem areas submitted, check them for mechanical details such as duplication, and finally develop a report which will include priorities, and other recommendations which they choose to make.

We anticipate that after the resource groups have reported we will ask the Experiment Station Planning Advisory Committee to bring these reports together into a long range program of research for the Nebraska Station.

Howard W. Ottoson

## DEPARTMENTAL REPORTS

There have been numerous inquiries lately about the nature and purpose of "departmental reports" of research. Such documents include progress reports, program summaries, recruiting leaflets, symposia or seminar proceedings, review articles initiated by the author, reports to grantors and other items related to programming within the department. They may be components of a departmentally numbered series. They should be limited to program related distribution and use.

The responsibility for maintaining appropriate standards of quality, accuracy and format rests with the department chairman and staff involved. The Department of Information staff will assist in developing such materials even as they do with formal publications. Costs are covered by the project.

The Directors office should receive informational copies of departmental reports. They should be submitted with a completed "movement of copy" form as used for requesting approval of formal publications. This will provide the Director with information regarding the document, its authorship, chairman's approval, etc.

Departmental reports should not be considered to substitute for bulletins, journal articles or other formal publication of appropriate materials.

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## PERSONNEL ACTIONS

Boswell, Susan - Instructor in Human Development and The Family - New  
 Burdette, Roger F. - Professor of Agricultural Economics (Columbia) - Resignation  
 Hansen, Gary D. - Assoc. Professor & Chrmn, Family Economics & Management - New  
 (B.S. Utah State; M.S. Minnesota; Ph.D. Oregon State; Coming July 1 from  
 Portland State College).  
 Howe, Cosby E. - Associate Professor of Veterinary Science - Sick Leave & Retirement  
 Luft, Leroy D. - Instructor in Agricultural Economics - Resignation  
 Marsh, Connell L. - Professor of Veterinary Science - Resignation

## GRANTS AND CONTRACTS

Ball, H. J. - Entomology - Shell Development Company	\$ 1,500.00
Borchers, R. L. - Biochemistry and Nutrition - NIH, U. S. DHEW	14,976.00
Chesnin, L. - Agronomy - Phillips Petroleum Company	3,000.00
Clanton, D. C. - Animal Science, North Platte - Farmland Industries, Inc.,	4,000.00
Cross, O. E. - Agricultural Engineering - OWRR, U. S. Dept. of Interior	40,000.00
Drew, J. V. - Agronomy - National Science Foundation	4,880.00
Eastin, J. D. - Agronomy - Rockefeller Foundation (continuation)	111,493.50
Lucas, L. F. - Animal Science - FES, U. S. D. A.	7,000.00
Mandigo, R. W. & Thompson, T. L. - Animal Sc. & Agri'l Engineering - Hormel Co.	9,982.00
McLaughlin, J. H. - Information - Miscellaneous Donors	30,000.00
Olson, R. A. - Agronomy - Farmland Industries, Inc.,	3,400.00
Trotter, V. Y. - Home Economics - Easter Seal Res. Foundation	10,000.00
Twiehaus, M. J. - Veterinary Science - NIH, U. S. DHEW	1,000.00
Twiehaus, M. J. - Veterinary Science - SPF Swine Accrediting Agency	28,095.00
Williams, J. H. - Agronomy - Archer Daniels Midland	4,500.00

## GENERAL NOTES

1. By action of the Board of Regents on February 16, there has been formally established an entity to be known as "University of Nebraska South Central Station" at Clay Center. This newest regional Station joins the established three and the Lincoln Complex to provide a regional center for agricultural research and extension programs in each of the five program districts of the State.
2. Mrs. Virginia Book, Instructor in Information is the recipient of one of eight newly established Teaching Council Fellowships. It will provide summer support for her work in revising and expanding a technical writing course for students in agriculture and home economics.
3. Another step has been taken in phasing Havelock area lands out of agricultural research, with Board of Regents approval of a sale of 228 acres to the City of Lincoln. This first parcel to be sold is east of the beef facilities, north of Adams Street, west of 84th and south of the railroad.
4. Carlson's Consolation: If an experiment fails, it can serve as a bad example; If it fails repeatedly, it demonstrates reproducibility.

R. W. Kleis

AGRICULTURAL EXPERIMENT STATION PUBLICATIONS- February 1970

2779. Insecticides Applied at Planting Time for Control of Corn Rootworm Larvae in Nebraska. James D. Munson and Roscoe E. Hill. Journal of Economic Entomology.
- 2780a. Effect of Amino Acid Fortification of "Instant" Potatoes and "Instant" Oatmeal on Protein Nutritive Value for Human Adults. Constance Kies and Hazel M. Fox. Proceedings of 3rd International Congress of Food Science - Technology.
2781. Factors Associated with Variations in the in vitro Digestibility of Certain Range Forage. D. F. Burzlaff. Journal of Range Management.
2782. Nature of Phytomer Growth in *Bouteloua gracilis* (H. B. K.) Lag. J. Stubbendieck and D. F. Burzlaff. Journal of Range Management.
2783. Diallel Analyses of Potato Leafhopper Injury to Alfalfa. W. R. Kehr, R. L. Ogden and S. D. Kindler. Crop Science.
2784. Incidence of Herds Infected with a Neonatal Calf Diarrhea Virus (NCDV). R. G. White, C. A. Mebus and M. J. Twiehaus. Veterinary Medicine.
2785. Influence of Pea and Spotted Alfalfa Aphids on the Persistence, Dry Matter Yield, and Chemical Composition of Resistant and Susceptible Alfalfa Varieties. S. D. Kindler, and W. R. Kehr and R. L. Ogden. Journal of Economic Entomology.
2786. Estimating Digestible Energy from Digestible Dry and Organic Matter in Diets of Grazing Cattle. L. R. Rittenhouse, C. L. Streeter and D. C. Clanton. Journal of Range Management.
2787. Inheritance of Mottle-Leaf in Cucurbita moschata Duch. Dermot P. Coyne. Horticultural Science.
2788. Effect of Ethrel on Sex Expression, Yield, and Usefulness in Hybridization in Butternut Squash. Dermot P. Coyne. Horticultural Science.
2789. Row Spacing, Plant Population, Plant Type and Light Interception as They Influence Sorghum Yield. Max D. Clégg. Presented at Twenty-Fourth Annual Corn and Sorghum Research Conference Proceedings.
2790. Comprehensive Programs Based on Competencies Rather Than Content Areas for Agricultural Employees. James T. Horner and Dale G. Zikmund. Agricultural Education.
2791. Strategies for Preparing Vocational-Technical Teachers. Roy D. Dillon. Industrial Arts and Vocational Education Journal.
2792. Influence of a Fungal-Enzyme in Corn and Milo Layer Rations. Earl W. Gleaves and S. Dewan. Poultry Science.
2793. Systemic Infections for the Assay of Plant Viruses. Myron K. Brakke. Annual Review of Phytopathology.
2794. Artist's Airbrush Inoculation and Infectivity-Dilution Curves of Soil-Borne Wheat Mosaic Virus. Daryl R. Pring and David J. Gumpf. Plant Disease Reporter.
2795. Holstein Cows Under Beef Cattle Management. Mogens Plum and Lionel Harris. Journal of Animal Science.

2796. Transmission of Cowpea Mosaic Virus by the Mexican Bean Beetle. William P. Jansen and Robert Staples. Journal of Economic Entomology.
2797. Some Characteristics of a Lipase Preparation from the Uredospores of Puccinia graminis tritici. H. W. Knoche and Teresa L. Horner. Plant Physiology.
2798. Extraxtion of Zn, Fe, and Mn. R. C. Sorensen. Soil Science.
- a = abstract.

BULLETINS PRINTED

83rd Experiment Station Annual Report.

- SB 507 Tillage Practices in Western Nebraska with a Wheat-Fallow Rotation. C. R. Fenster and T. M. McCalla.
- RB 235 Growth in Weight of Selected Organs, Tissues and Systems in the Pig. William J. Loeffel and Robert M. Koch.