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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. 3, September 1973

FROM THE DIRECTOR'S DESK

The term Rural Development is used in many contexts; its definition is manifold. Perhaps a word on the current status of the work implied is appropriate. We feel, first of all, that it is self-evident that the work traditionally carried on by Experiment Stations (and Extension Services) has been aimed at the development of rural areas. So involvement of the Experiment Station is not really new.

Two years ago the Experiment Station received a small (\$40,000) earmarked Hatch budget for Rural Development Research; its definition was narrower than the subject matter scope of the Station. Extension has similarly earmarked Rural Development funds.

1972 saw the passage of a new Rural Development Act, of which Title V would provide funds for research and extension on "Rural Development and Small Farms". This act, not yet funded, provides for the administration of the program at the University level with participation from any college, including other colleges in the state. The Dean of Agriculture is chairman of the administrative committee, by law. In Nebraska the Directors of Experiment Station and Extension have been assigned the financial administration for the research and extension parts of the program respectively. We will keep you informed on further development.

Howard W. Ottoson

DEAN E. F. FROLIK

Dr. Elvin F. Frolik has resigned as Dean of the College of Agriculture effective October 22, 1973 and has been granted a leave of absence as Professor of Agronomy. He has accepted an assignment as an agricultural research administrator with a team planning, organizing and structuring agricultural research for Iran.

Dean Frolik will be continuing an illustrious career in agricultural development, most of which has been with the University of Nebraska. Except for two years he has been on the College of Agriculture staff since 1933. He has served as a County Agricultural Agent, Extension Agronomist, teacher of courses in genetics, researcher in genetics, Chairman of the Agronomy Department, Director of the Agricultural Experiment Station and since 1960 as Dean of the College.

His tenure as Dean has been characterized by improvements and growth of the College's programs of service to agriculture. The list of accomplishments under his leadership is very extensive with notable examples including; more than doubled enrollment, Field Laboratory acquisition and development, the USMARC establishment in Nebraska, new department of Food Science and Technology, development of Home Economics from departmental to separate College status, and effective integration of teaching, research and extension. Facilities improvements include the poultry complex, Home Management Laboratories, Ruth Staples Laboratory, C. Y. Thompson Library, Marvel Baker Hall, U. S. Forest Science Laboratory, the Weed Science Laboratory, and the emerging Home Economic's building. Staff and program development have been consistently emphasized to meet increasing and changing needs. It has been a period of major progress for the College.

We extend to Dean Frolik our thanks for his dedicated service to the College and wish for him and Mrs. Frolik the very best in their new undertaking.

PERSONNEL ACTIONS

Adams, Charles H. - Asst. Dir. of Resident Instruction (part time)
Baum, Shirley - Inst. in Educ. and Family Resources (new appointment)
Chesser, Barbara Jo - Asst. Prof. of Human Development & the Family (new appointment)
Gaddis, Ronald J. - Conservation Spec. and Asst. Prof. of Agr'l Eng. (appointment)

Helms, Thomas J. - Asst. Dir. of Resident Instruction (part time)
Ottoson, Howard - Acting Dean of the College of Agriculture (additional appointment)
Shaffer, Teresa A. - Instr. in Food and Nutrition (new appointment)
Zimmerman, Hugo J. - Associate Prof. of Agr'l Economics (ES-USDA)--resignation

GRANTS AND CONTRACTS

Britton, Robert - Animal Science - American Colloid Company	\$5,000
Burnside, Orvin C. - Agronomy - Eli Lilly and Company	1,000
Burnside, Orvin C. - Agronomy - Amchem Products Incorporated	1,500
Campbell, J. B. - Entomology (NP Sta.) - Dow Chemical Company	500
Coyne, Dermot - Horticulture and Forestry - Bean Companies of SB Area	1,100
Coyne, Dermot - Horticulture and Forestry - Green Giant Foundation	1,500
Danielson, David M. - Animal Science (NP Sta.) - Shell Oil Company	7,000
Dillon, R. D. - Agr'l Education - U. S. Dept. of Labor, Manpower Adm.	3,200
Farlin, S. D. and Terry Klopfenstein - Animal Science - Eli Lilly & Co.	8,000
Fischer, Lloyd K. - Water Resources Research, Department of Interior	41,706
Flowerday, A. D. - Agronomy - Chemagro	750
Johnson, Ralph D. - Agricultural Economics - USDA, ERS	4,000
Klopfenstein, Terry - Animal Science - Farmland Industries	3,500
Lucas, Leo - North Platte Station - 3 Circle Irrigation, Inc.	4,500
Lucas, Leo - North Platte Station - Diamond Laboratories, Inc.	1,000
Owen, Foster G. - Animal Science - American Dehydrators Association	3,000
Shahani, Khem M. - FS&T - J. Gordon Roberts Investments	1,000
Van Etten, J. L. - Plant Pathology - USDA, ARS	35,000

GENERAL NOTES

1. Sahs sez--now is the time to pick up irrigation pipe, fittings, etc., and drain underground row crop irrigation systems.
2. We like to think that they don't happen but they do--Rollie Schnieder reports another tractor upset on an Experiment Station facility. It was equipped with a roll-over protective structure and no personal injury resulted. We were again fortunate because we still note several University of Nebraska tractors without protective units.
3. Please be again reminded that the secured parking compound north of the Poultry Plant should be used for intermittently or seasonally used vehicles. It is inappropriate that such vehicles be parked in the crowded close in-lots.
4. Grant support (other than USDA) of projects in the Agricultural Experiment Station increased from about \$470,000 to \$570,000 in FY 1973 compared to FY 1972. USDA grants, contracts and cooperative agreements increased slightly to approximately one and one half million for FY 1973. Clearly, such support is highly important to our programs. We need to keep up the effort in procuring appropriate outside support.
5. "No rewards are offered for finding fault!"

R. W. Kleis

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - August 1973

Journal Articles (contact authors for more information)

3673. Number Conservation: An Analysis of Provoked and Spontaneous One-to-one Correspondence in Lower and Middle Class Preoperational Children. Rose M. Kastl, Violet Kalyan-Masih and Helen Sulek. Child Study Journal.
3674. Relationship of Personal History Characteristics of Dietary Employees to Job Tenure. Marie E. Knickrehm and Rebecca Ann Dowling Wertz. Journal of American Dietetics.
3675. Reduction of Severity of White Mold Disease on Great Northern Beans by Wider Row Spacing and Determinate Plant Growth Habit. J. R. Steadman, D. P. Coyne and G. E. Cook. Plant Disease Reporter.
3676. Cooperation in Education - Emphasis Agribusiness. Roy D. Dillon. American Vocational Journal.
3677. The Role of Light and Surface Bacteria in the Color Stability of Prepackaged Beef. L. D. Satterlee and W. Hansmeyer. Journal of Food Science.
3678. Feed Intake Response to Changes in Environmental Temperature and Dietary Energy in Roosters. Malik M. Ahmad, F. B. Mather and Earl W. Gleaves. Poultry Science.
3679. Use of Rice-Powder Corn Steep Agar as a Single Medium for Screening Mold Isolates for Production of Several Mycotoxins. L. B. Bullerman. Journal of Milk and Food Technology.

Journal Abstracts (contact authors for more information)

- 73-243. The Current Status of Neonatal Diarrhea Viruses. C. A. Mebus, R. G. White, E. L. Stair, M. B. Rhodes, and M. J. Twiehaus. Journal of American Veterinary Medical Association.
- 73-244. Influence of Delayed Emergence on Yield Components and Agronomic Characters of Zea mays L. G. A. Shah, W. L. Colville and A. D. Flowerday. American Society of Agronomy.
- 73-245. Chemical Control of Common Milkweed. L. L. Evetts and O. C. Burnside. 1973 North Central Weed Control Conference Research Report.
- 73-246. Effect of Herbicides on Common Milkweed Seed Production. L. L. Evetts and O. C. Burnside. 1973 North Central Weed Control Conference Research Report.
- 73-247. Population Trends of Common Milkweed in Alfalfa. L. L. Evetts and O. C. Burnside. 1973 North Central Weed Control Conference Research Report.
- 73-248. Regenerative Capacity of Common Milkweed Root Fragments. L. L. Evetts and O. C. Burnside. 1973 North Central Weed Control Conference Research Report.

BULLETINS PRINTED

- RB 206. A Soil and Vegetation Inventory and Analysis of Three Nebraska Sandhills Range Sites. Donald F. Burzlaff.
- RB 255. Seasonal Abundance of the European Corn Borer Ostrinia nubilalis (Hbn.) Within the North Central United States. R. E. Hill, H. C. Chiang, A. J. Keaster, W. B. Showers and G. L. Reed.