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## Agricultural Experiment Station News March 1975

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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

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Vol. 7, No. 9, March 1975

## OUR MANAGERIAL STAFF

As mentioned in the last month's newsletter, there are about 500 full-time equivalent employees of the Nebraska Agricultural Experiment Station involving about 800 people. This includes many different groups of employees each of which is essential to performing the research function of the Station. Secretarial staff, farm and livestock workers, graduate assistants, student workers, technicians, laboratory assistants, scientists and others, perhaps even including administrators, perform necessary functions in the broad and varied programs. One key group which has a difficult role is the managerial-professional staff.

The manager of a research facility or service finds himself in between the scientist-research leader and the various complications to getting the job done. He must understand, appreciate, and satisfy the requirements for the research involved even though they may appear peculiar. One of his responsibilities is to see to it that all special requirements are understood by all involved and fulfilled. The validity of the research is at stake. On the other hand the manager must manage labor, equipment, supplies, schedules, livestock, land, etc., to satisfy all needs while overcoming weather, breakdowns, misunderstandings and other detractants from an easy life.

The manager is also important to our research organization from the standpoint of 1) influencing morale and effectiveness of other employees; 2) public relations, as he is the person on site communicating with the public about the operation; 3) security and efficient use of physical facilities; and 4) appearance and image of the property, programs and people involved. He represents the administration and scientist in implementing programs and at the same time must be concerned with the interests of others involved.

And so, it is obvious that managerial-professional staff are key people in the execution of our many and varied research programs. For them to be most effective, it is important that research leaders communicate thoroughly with them concerning the why of the research as well as the what, when and how. Advanced planning with them is important.

## PERSONNEL ACTIONS

Birnstihl, Elizabeth A. - Dist. Home Ec. Supervisor, District V (promotion)  
Bucy, John I. - Extension Assoc. in Agr'l Econ.--courtesy app. (resignation)  
Childears, John M. - Instructor in Animal Science (courtesy appointment)  
Danielson, David M. - Associate Prof. of Animal Science, North Platte Sta. to Grad Staff  
Fritschen, Robert D. - Associate Prof. of Animal Science, Northeast Sta. to Grad Staff

## Personnel Actions (continued)

Gipson, Philip S. - Assist. Prof. of Poultry and Wildlife Science to Grad. Staff  
Hamilton, Rickey A. - Assist. Prof. of Forestry and Extension Forester (new appt.)  
Lane, Leslie C. - Assist. Prof. of Plant Pathology (new appointment)  
Olson, Kenneth C. - Instructor in Veterinary Science (courtesy appointment)  
Roeth, Fred W. - Assist. Prof. of Agronomy, South Central Station (new appt.)

Sheffield, Leslie F. - Appointment as Assistant to the Vice Chancellor (duty change)  
Splinter, William E. - Acting Director of Water Resources Research Inst. (additional duty)  
Wilson, Robert C. - Assistant Professor of Agronomy, Panhandle Station (new appt.)  
Witkowski, John F. - Assistant Professor of Entomology, Northeast Sta. (new appt.)  
Young, Melvin D. - Instructor in Animal Science (courtesy appointment)

## GRANTS AND CONTRACTS

Dreier, A. F. - Agronomy - Nebraska Crop Improvement Association	\$ 2,500
Frank, K.; A. Dreier; & G. Dornhoff - Agron. (SC Sta.) Neb. Crop Imprv.	2,500
Mattern, P. J. - Agronomy - AID	26,000
Owen, F. G. - Animal Science - Ruminant Products Company	5,000
Perry, L. J. - Agronomy - Anna Elliot Fund	7,550
Shahani, K. - FS&T - Office of Water Research and Technology	5,000
Stubbendieck, J. L. - Agronomy (PH Sta.) - Anna Elliott Fund	3,450

## GENERAL NOTES

1. The Departments of Veterinary Science and Poultry and Wildlife Management recently reviewed their research programs with a CSRS team of specialists. The team offered many complimentary comments about the present programs and helpful considerations for future programs.
2. Dr. Jack Adams is on sick leave as he now recovers from his health problem through medication and physical therapy. We wish him a speedy recovery and return. Agnes Arthaud is ably serving as Acting Director of the Cooperative Extension Service.
3. The agricultural climatology program developed within Horticulture under Dr. Rosenberg is being transferred to administrative affiliation with Agricultural Engineering. Their office location will not shift from Plant Industry in the foreseeable future. Dr. Neild and his program related to climatology will continue with Horticulture.
4. Schnieder on chemical safety - Read the label! Find out what protective measures are needed for safe handling and application. Then take these measures. Used improperly, many agricultural chemicals can be dangerous to both man and the object of their use.
5. The Planning Committee for the Plant Sciences Complex has completed the very complex "program" document for these facilities. This will be ready for use by the designers when funds are appropriated.
6. Sahs sez - Everyone involved should become familiar with the new standard Hand Signals relating to movement and operation of agricultural equipment. An excellent film and brochure is available through Rollin Schnieder in Agricultural Engineering.
7. To err is human. To really foul things up try a computer.

R. W. Kleis

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - February 1975

Journal Articles (contact authors for more information)

3936. The Early Biochemical and Cytological Events in Plant Disease: A Synopsis. J. M. Daly. Book, entitled: Induction Mechanisms of Biochemistry and Cytological Response in Diseased Plants, University of Tokyo Press.
3937. Induced Susceptibility or Induced Resistance as the Basis of Host-Parasite Specificity. J. M. Daly. Book, entitled: Induction Mechanisms of Biochemistry and Cytological Response in Diseased Plants, University of Tokyo Press.
3938. Yield and Quality of Corn and Grain Sorghum and Residues as Influenced by Nitrogen Fertilization. L. J. Perry, Jr., and R. A. Olson. Agronomy Journal.
3939. Cytokinin Activity of Herbicides. Hassan M. Nadar, Max D. Clegg and Jerry W. Maranville. Plant Physiology.
3940. Chemical Monitoring of Soils for Environmental Quality. Dale E. Baker and Leon Chesnin. Advances in Agronomy.
3941. Mating, Oviposition Patterns, Fecundity and Longevity of the Western Corn Rootworm. Roscoe E. Hill. Journal of Economic Entomology - Section C.
3942. B-Complex Vitamins in Cultured and Acidified Yogurt. K. P. Reddy, K. M. Shahani and S. M. Kulkarni. Journal of Dairy Science.
3943. Pollution of Surface Irrigation Water by Plant Pathogenic Organisms. J. R. Steadman, C. R. Maier, H. F. Schwartz and E. D. Kerr. Water Resources Bulletin.
3944. Prevention of Germination of Sclerotia from Whetzelinia Sclerotiorum. James R. Steadman and Kenneth W. Nickerson. Applied Microbiology.
3945. Bluegrass Billbug: Extraction of Eggs and Newly Hatched Larvae from Kentucky Bluegrass. S. D. Kindler. Journal of Economic Entomology (Scientific Note).
3946. Agronomic Characteristics of Released Sorghum Lines. Paul T. Nordquist. Ninth Biennial Grain Sorghum Research and Utilization Conference Proceedings.
3947. Synthesis of Bacteriophage  $\phi 6$  Double-stranded Ribonucleic Acid in Pseudomonas phaseolicola. David L. Coplin, James L. Van Etten, R. K. Koski and Anne K. Vidaver. Journal of Virology.
3948. Recovery of Transmissible Gastroenteritis Virus from Chronically Infected Experimental Pigs. N. R. Underdahl, C. A. Mebus and A. Torres-Medina. American Journal of Veterinary Research.

Journal Abstracts (contact authors for more information)

- 75-410. A Chromosomal Aberration in Brown Swiss Cattle. F. E. Eldridge and W. F. Blazak. Journal of Dairy Science.
- 75-411. Ascaris Suum: Experimental Infection of Pigs with Coated and Decoated Eggs. R. A. McCullough and M. B. Rhodes. Proceedings, Nebraska Academy of Sciences.

- 75-412. Use of Thiry-Vella Loops in Enteric Disease Research. M. B. Rhodes, C. A. Mebus, C. A. Klucas and R. A. McCullough. Proceedings, Nebraska Academy of Sciences.
- 75-413. Isolation of Intestinal Acid Phosphatase of Ascaris Suum and Swine. Kathy Filkin and M. B. Rhodes. Proceedings, Nebraska Academy of Sciences.
- 75-414. Changes in the Electrical Resistance of the Bovine Cervical-Vaginal Mucus During the Estrous Cycle. S. Al-Obaidi and L. L. Larson.
- 75-415. Effect of Increasing Ration Fiber Level with Soybean Mill Run on Digestibility and Lactation Performance. C. A. Macgregor, F. G. Owen and L. D. McGill. Journal of Dairy Science.

BULLETINS PRINTED

- OTC 166. Nebraska Grain Sorghum Performance Tests 1974. A. F. Dreier, P. T. Nordquist, G. M. Dornhoff, P. H. Grabouski, R. S. Moomaw and L. A. Nelson.
- RB 233. Calf Diarrhea (Scours): Reproduced With a Virus From A Field Outbreak. C. A. Mebus, N. R. Underdahl, M. B. Rhodes and M. J. Twiehaus.