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# Agricultural Experiment Station News November 1977

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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



Vol. 10, No. 5, November 1977

## FROM THE DIRECTOR'S DESK

I would like to briefly discuss several topics with you this month:

Staff Activities Reports. The staff activity report forms for 1977 will probably have reached you by the time you read this. We fully realize that filling them out is not exactly an exciting activity! On the other hand, evaluation of achievement is a process in which we are all involved as a matter of University policy; the staff activities report is the fundamental record of the achievements and contributions which you have made during the past year, and is important to this process; it deserves your best effort.

Movement of Grant Checks. Just a note to all of us to expedite movement of grant documents and particularly checks which are frequently received from donors by project leaders for transmission to grant accounts. The other day we received such a check back from the Research Administrator which could not be cashed because it was more than three months old!

Research Project Management. For a variety of reasons we have an unusually large number of projects which are either terminating very shortly or have already terminated. The project system is intrinsic to our accountability and our reporting; all of us--project leaders, department chairmen and district directors, and those of us in the Station office--need to devote special effort to maintaining our project system on a current and viable basis. Project leaders need to make their future research plans well in advance of the expiration dates of their projects, either in terms of revision, or a new replacement project. (We are really not enthusiastic about routinely extending expiring projects). A number of letters are now going out to project leaders concerning projects which need to be attended to at this time. Please take action in response without delay.

New Personnel in Station Office. We were glad to have Miss Barbara Collins join us on August 29. She replaces Miss Lorraine Walsh who left us in August to a teaching job. We are very sorry to lose Mrs. Mary Ann Solomos, who will be leaving us on December 1. Her place will be taken by Ms. Carma Lea McPheron. Ms. McPheron has worked previously in the 4-H office and in the Chemistry Department.

Happy Holiday. Best wishes for a good Thanksgiving and a Happy November 25 to everyone!

Howard W. Ottoson

(over)

## PERSONNEL ACTIONS

~~Beer, Steven - Professor - Agronomy - Courtesy Appointment~~  
 Duffert, Charles M. - Instructor - C.S.D. - Leave of Absence  
 Gluesing, Ernest A. - Assistant Professor - Extension Wildlife Specialist - New  
~~Halzhey, C. Steven - Professor - Agronomy - Courtesy Appointment~~  
 Kittok, Roger J. - Assistant Professor - Animal Science - New  
 Knapton, Issac W. - Instructor - C.S.D. - Resignation  
 O'Keefe, R. B. - Prof. of Hort. & District Extension of Hort. (PH Sta.) - Change  
 Peterson, Steve N. - Instructor - C.S.D. - New  
 Staples, Randall V. - Instructor - C.S.D. - New  
 Wilhite, Myra S. - Instructor of Ag. Communications - New

## GRANTS AND CONTRACTS

Anderson, F. N. - Agronomy (PH Sta.) - Mel-Ma Farms	500
Anderson, F. N. - Agronomy (PH Sta.) - G. W. Joint Res. Com., Inc.	5,500
Boosalis, M. G. - Plant Pathology - Great Western Joint Res. Com. Inc.	2,200
Campbell, J. B. - Entomology (NP Sta.) - Bayvet Div. Cutter Lab., Inc.	1,000
Case, R. M. - Forestry, Fisheries & Wildlife - Nebr. Dept. of Ag.	13,435
Danielson, D. M. - Animal Science (NP Sta.) - A. L. Laboratories, Inc.	5,000
Edling, R. J. - Ag. Engineering (PH Sta.) - G. W. Joint Res. Com., Inc.	4,430
Fenster, C. R. - Agronomy (PH Sta.) - Neb. Wheat Div.	4,000
Frank, K. D. - Agronomy (SC Sta.) - Mel-Ma Farms	500
Gold, R. E. - Environmental Programs - Cooperative State Res. Serv. - USDA	30,000
Haderlie, L. C. - Agronomy - Velsicol Chemical Corporation	7,500
Kerr, E. D. - Plant Path. (PH Sta.) - Great Western Joint Res. Com., Inc.	3,100
Klocke, N. L. - Ag. Eng. (NP Sta.) - Crustbuster, Inc. (equipment)	1,100
Klocke, N. L. - Ag. Eng. (NP Sta.) - Old West Regional Commission	95,700
Klopfenstein, T. J. - Animal Science - Amer. Dehydrators Association	6,000
Klopfenstein, T. J. - Animal Science - Deere and Company	4,000
Klopfenstein, T. J. - Animal Science - Farmland Industries	5,000
Moomaw, R. S. - Agronomy (NE Sta.) - Chemagro and Stauffer Chemical	1,300
Moser, B. O. - Animal Science - Neb. Pork Producers Association	500
Omtvedt, I. T. - Animal Science - CSRS	25,000
Sander, D., Peterson, G., Daigger, L. - Agron. (PH Sta.) - Neb. Wheat Div.	7,500
Stetson, L. E. - Ag. Eng. - Neb. Inter-Industry Electric Council	2,000
Stubbendieck, J. L. - Agronomy (PH Sta.) - Nebraska Dept. of Agriculture	8,063
Thompson, T. L. - Ag. Eng. - USDA, ARS	35,772
Wilson, R. G. - Agronomy (PH Sta.) - G. W. Joint Res. Com., Inc.	4,050

## GENERAL NOTES

1. The Bureau of Sociological Research, UNL, is now designing its 1977-78 quality of life survey for the state. If anyone has related sociological research for which they would like certain survey items included, contact Hugh Whitt (472-3631).
2. The new swine research facilities at the Field Laboratory are nearing completion. The target date for moving into them and vacating NE Lincoln facilities is July 1, 1978.
3. Congratulations to Dr. Lois Schwab on her appointment to the Presidents Committee on Employment of the Handicapped.
4. Major areas of the Field Laboratory are again open for hunting. Opening day 421 hunters bagged 133 pheasants. Rather hazardous exercise!
5. "He that boasts his own knowledge proclaims his ignorance."

R. W. Kleis

Journal Articles (contact authors for more information)

5387. Self-esteem and Marital Adjustment--Controlling the Tendency to Distort Evaluations. Barbara Jo Chesser, Anne M. Parkhurst and Debra L. Schaffer. Home Economics Research Journal.
5388. Chilling Stress to Soybeans During Imbibition. William J. Bramlage. Plant Physiology.
5389. Utilization of Corn and Grain Sorghum Residues in Beef Cow Forage Systems. John K. Ward. Journal of Animal Science.
5390. Ascorbic Acid Utilization in the Human as Affected by Dietary Fiber and Zinc. F. R. Keltz, C. Kies and H. M. Fox. American Journal of Clinical Nutrition.
5391. The Computation of Agriculturally Oriented Normals from Monthly Climatic Summaries. R. E. Neild, M. W. Seeley and N. H. Richman. Agricultural Meteorology.
5392. Nitrogen Fixation (Acetylene Reduction) Associated with Roots of Winter Wheat and Sorghum in Nebraska. W. Pedersen, K. Chakrabarty, R. Klucas and A. Vidaver. Applied and Environmental Microbiology.
5393. Field Wilted and Direct Cut Dehydrated Alfalfa As Protein Sources For Growing Beef Cattle. Terry Klopfenstein, Cecelia Dorn, R. L. Ogden, W. R. Kehr and T. L. Hanson. Journal of Animal Science.
5394. A Soil-Water-Nitrogen Model for Irrigated Corn on Sandy Soils. Darrell G. Watts and R. J. Hanks. Soil Science Society of America Proceedings.
5395. Residual Nitrate-N in Fine Sand as Influenced by N Fertilizer and Water Management Practices. D. E. Smika and D. G. Watts. Agronomy Journal.
5396. Ascaris suum: Specific Antibodies in Isolated Intestinal Loop Washing from Immunized Swine. Marvin B. Rhodes, Rose A. McCullough, Charles A. Mebus and Carol A. Klucas. Experimental Parasitology.
5397. Neonatal Calf Diarrhea Caused by a Virus Which Induces Villous Epithelial Cell Syncytia. C. A. Mebus, M. B. Rhodes and N. R. Underdahl. American Journal of Veterinary Research.
5398. Typing of Fluorescent Phytopathogenic Pseudomonads by Bacteriocin Production. Anne K. Vidaver and Shareen Buckner. Canadian Journal of Microbiology.
5399. Genetic and Phenotypic Parameter Estimates for Growth and Wool Traits in Hampshire Sheep. J. M. Dzakuma, M. K. Nielsen and T. H. Doane. Journal of Animal Science.
5400. Registration of Baker Alfalfa. W. R. Kehr, G. R. Manglitz and R. L. Ogden. Crop Science.
5401. Interaction of Metribuzin and Trifluralin with Soil Type on Soybean Growth. R. S. Moomaw and A. R. Martin. Weed Science.

5402. Nutrition and the Female Athlete. Joan Annable Werblow, Alice Henneman and Hazel Fox. The Physical Educator.
5403. Effect of Dietary Lactic Acid Content and Energy Level on Rumen Lactate Metabolism in Sheep. Gerald Huntington and Robert Britton. Journal of Animal Science.
5404. Chemical Treatment of Crop Residues. Terry Klopfenstein. Journal of Animal Science.
5405. Alfalfa Quality Affected by Top Topography in Mechanically Formed Stacks. L. R. Verma and Kenneth Von Barga. Transactions of the ASAE.
5406. The Nebraska Burn Study: Characteristics of Burn Victims. Joan Laughlin, Judith Besel Trautwein and Anne Parkhurst. Textile Chemist and Colorist.

Journal Abstracts (contact authors for more information)

- 77-942. Harvest Date and Chemical Treatment of Cornstalks. John Paterson, Larry Berger and Terry Klopfenstein. Journal of Animal Science.
- 77-943. Nitrogen Utilization and Ruminant Bypass of Brewers Dried Grains. Neal Merchen, Terry Klopfenstein and Tom Hanson. Journal of Animal Science.
- 77-944. Oat Yields the Year Following Herbicide Applications onto Soybeans that were Grown in Tilled and Untilled Oat Stubble. O. C. Burnside. North Central Weed Control Conference Report.
- 77-945. Nutritive Value of High Fiber Diets for Gravid Sows. D. S. Pollmann, D. M. Danielson, E. R. Peo, Jr. and M. E. England. Journal of Animal Science.
- 77-946. Effect of EPTC on the Uptake of <sup>32</sup>P-phosphate in Corn and Sorghum. Dennis L. Bucholtz and Terry L. Lavy. North Central Weed Control Conference.
- 77-947. Selective Control of Weeds in Corn. Orvin C. Burnside. North Central Weed Control Conference Research Report.
- 77-948. Oat Yield the Year Following Herbicide Application to Soybeans. Russell S. Moomaw and Alex R. Martin. North Central Weed Control Conference.
- 77-949. Establishment of Warm Season Grass Species with Atrazine. Russell S. Moomaw and Alex R. Martin. North Central Weed Control Conference.
- 77-950. Selective Control of Weeds in Close-Drilled Soybeans. O. C. Burnside. North Central Weed Control Conference Reports.
- 77-951. Control of Weeds in Close-Drilled Sorghum. O. C. Burnside. North Central Weed Control Conference.

BULLETINS PRINTED

- RB 281. Results of the Seventh International Winter Wheat Performance Nursery Grown in 1975. K. D. Wilhelmi, S. L. Kuhr, V. A. Johnson, P. J. Mattern and J. W. Schmidt.