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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 NEWS

Vol. 9, No. 7, January, 1977

FROM THE DIRECTOR'S DESK

Project Reviews

The basic building block in the program of the Experiment Station is the research project. To the individual scientist it represents his charter and focus of a significant amount of his time and energy over the next three, four, or five years. To the rest of us - colleagues, department chairmen, directors, or CSRS - it serves several purposes. It represents the response of the Station to an important problem area. It becomes an accountability document indicating the degree of our commitment to a problem, the rate of our progress in expanding knowledge in that area, and a record of the resources which have been devoted to it.

Intrinsic to the project system is the project review. The project review serves several purposes. First, it obviously gives the principal investigator an opportunity to defend his definition of the problem, objectives, and procedures to experienced colleagues who have been selected as having some interest in the area of the project. Most project outlines are benefited in this process. Second, it provides an opportunity for the department chairman, district director and station director to discuss with the chief investigator such administrative aspects as term of the project, personnel who will be involved, and financial support. Possible areas of cooperation or coordination with other departments can be explored. Finally, the review gives the director an important basis for a decision on the approval of the project, and its submission to CSRS.

Typically included in the review are two or three experienced colleagues, usually from other departments; the principal investigator's department chairman; the district director involved, if any; and any of the station directors. Of course, anyone is welcome to attend such reviews.

I might note that we are very grateful for the time and effort devoted to making these reviews a success by the Station scientists who are "volunteered" into serving on them.

Howard W. Ottoson

PERSONNEL ACTIONS

Barnhart, Jr., Harold M. - Instructor, Food Science & Technology - Resignation
Eicher, Ronald - Assistant Professor, Biochemistry (MARC) - Courtesy appointment
Smith, Helen - Professor, Human Development & Family - Disability leave
Wilhelmi, Kenneth D. - Assistant Professor, Agronomy - Appointment

GRANTS AND CONTRACTS

Ahlschwede, W. T. - Animal Science - Neb. Pork Producers Assoc.	$ 1,500
Bitney, L. L. - Ag. Economics - U N Fdn-Nebraska Bankers Assoc. Inc.	500
Caporaso, F. - Food & Nutrition - Nebraska Pork Producers Assoc.	5,495
Fenster, C. R. - Agronomy (PH Sta) - FMC Corporation	500
Fenster, C. R. - Agronomy (PH Sta) - Rohm & Haas Co.	500
Fritschen, R. D. - Animal Science (NE Sta) - Neb. Pork Producers Assoc.	800
Hagen, A. F. - Entomology (PH Sta) - FMC Corporation	500
Hassler, J. B. - Ag. Economics - Old West Regional Commission	92,400
Hudson, D. - Veterinary Science (NP Sta) - Norden Labs	734
Klopfenstein, T. J. - Animal Science - Liquid Feed Commodities	5,000
Maxcy, R. B. - Food Sci. & Tech. - Dept. of the Army - Natick Labs	23,825
Moser, B. D. - Animal Science - Nebraska Pork Producers Assoc.	1,000
Satterlee, L. D. - Food Sci. & Tech. - U N Fdn-Ezra Levin Fdn.	10,889
Shahani, K. M. - Food Sci. & Tech. - Neu Cheese Co.	2,500
Shahani, K. M. - Food Sci. & Tech. - J. Gordon Roberts Investments, Ltd	15,000
Shearman, R. C. - Horticulture - OMC-Lincoln	1,000
Steadman, J. R. - Plant Pathology - Olin Corporation	500
White, R. G. - Veterinary Science (NP Sta) - Norden Labs	1,085
Williams, J. H. - Agronomy - Archer Daniels Midland	5,500

GENERAL NOTES

1. Congratulations to: Dr. T. M. McCalla on the occasion of receiving the American Society of Agronomy Award for Outstanding Research; Dr. V. A. Johnson on his election as President-elect of the Crop Science Society of America; Dr. A. D. Flowerday for receiving the UN-L Outstanding Teaching Award, the ΠΣΔ Teaching Award, and for the third year in a row the University of Nebraska Builders' Award.

2. Schnieder on safety: Straight tread radial ply tires should not be considered as a suitable substitute for snow tires when driving in snow.

3. We look forward to the opening of our new East Campus Student Center on January 17.

4. The CRIS AD 421 forms (annual progress report forms) for AES projects are out to departments and project leaders. Please be reminded that what you put in will be the progress noted, what goes into the computer, and what will be printed out for inquiries by fellow scientists elsewhere. They are important and should be completed with care.

5. The trouble with being a good sport is that you have to lose to prove it.

R. W. Kleis

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - December 1976

Journal Articles (contact authors for more information)

5238. Selection for Ovulation Rate in Swine: Correlated Response in Carcass Traits. Marijane E. England, P. J. Cunningham, R. W. Mandigo and Dwane R. Zimmerman. Journal of Animal Science.

5239. Phytotoxicity Movement, and Persistence of Asphalt-Herbicide Combinations. D. R. Gigax and O. C. Burnside. Weed Science Journal.

5240. Analysis of Salad Department Production Activities in a Foodservice Facility. Alanna J. Hauge and Marie E. Knickrehm. Journal of American Dietetic Association.

5241. Ultrastructural Effects of Testosterone on Rat Uterine Tube (Oviduct) Epithelial and Stromal Cells. R. K. Nayak, R. B. Osland and E. F. Ellington. American Journal of Veterinary Research.

5242. Efficiencies for Calcium, Magnesium, and Molybdenum Uptake and Use by Plants. R. B. Clark. Proceedings of Joint International Workshop "Adaptation of Plants to Mineral Stress in Problem Soils."

5243. Housing: Adjustable for Handicapped. Lois O. Schwab. Journal of Home Economics.

5244. Estimation of White Mold Disease (Sclerotinia sclerotiorum) Reduction of Yield and Yield Components of Dry Edible Beans (Phaseolus vulgaris). Eric D. Kerr, James R. Steadman and Lenis A. Nelson. Crop Science.

5245. Some 'Costs' of Using Land in a Winter Wheat-Summer Fallow. William F. Lagrone. Southern Journal of Agricultural Economics.

5246. Nitrogen Dioxide Evolution from Herbicide-Treated Soybean Leaves. Lowell Klepper. Science Journal.

5247. The Chemical, Sensory and Rheological Properties of Pasta Fortified with Various Plant Proteins and Whey. M. A. Hanna, L. D. Satterlee and K. W. Thayer. Journal of Food Science.

5248. Solar Grain Drying in the North Central Region - Simulation Results. R. O. Pierce and T. L. Thompson. Transactions of the ASAE.

5249. Effect of Source, Level and Time of Nitrogen Supplementation Upon Performance of Gestating Beef Cows and Heifers Grazing Corn Crop Residues. W. Dennis Lamm, John K. Ward and Gary C. White.

5250. A Robertsonian Translocation and Its Effect Upon Fertility in Brown Swiss Cattle. W. F. Blazak and F. E. Eldridge. Journal of Dairy Science.

5251. Differential Responses of Corn Inbreds to Calcium Stress. R. B. Clark. Agronomy Journal.

5252. Properties of Restructured Pork as Affected by Flake Size, Flake Temperature and Blend Combinations. G. R. Popenhagen and R. W. Mandigo. Journal of Food Science.

Journal Abstracts (contact authors for more information)

76-814. Heritability of Heat Tolerance in Soybeans. J. H. Williams, J. R. Martineau and J. E. Specht. American Society of Agronomy Abstracts.

76-815. Screening for Heat and Drought Tolerance in Soybeans. J. R. Martineau, J. H. Williams and J. E. Specht. American Society of Agronomy Abstracts.

76-816. Effect of Nitrogen on Yield and Quality of Crested and Intermediate Wheatgrass. Mickey R. Jones, J. Stubbendieck and L. J. Perry, Jr. Abstract for Society for Range Management.

76-817. Evaluation of Insecticides to Control Larvae of the Corn Rootworm in Nebraska, 1976. Z. B. Mayo, L. L. Peters, J. B. Campbell, A. F. Hagen and J. F. Witkowski. Vol. II, Insecticide and Acaricide Tests.

76-818. Control of Corn Borers in Field Corn in Nebraska. John F. Witkowski. Vol. II, Insecticide and Acaricide Tests.

76-819. Sorghum BiColor 'Excell 811A and RS 626' Greenbug: Schizaphis graminum (Randani). Leroy L. Peters. Volume 2 of Insecticide and Acaricide Tests.

76-820. Sorghum: Sorghum bicolor 'RS671' Greenbug: Schizaphis graminum (Rondani). Leroy L. Peters. Insecticide and Acaricide Tests, Volume 2.

76-821. Comparison of Hybrids Derived from Maize Populations After Nine Cycles of Mass Selection for Yield. P. R. Martin and C. O. Gardner.

76-822. Weed Control in Narrow-Row Soybean Production. D. R. Carlson, O. C. Burnside and R. S. Moomaw. North Central Weed Control Conference Proceedings.

76-823. Furadan versus COUNTER as a Planting Time Rootworm Insecticide in Cornfields Having a History of Furadan Usage, 1976. Z. B. Mayo, J. F. Witkowski, D. L. Keith and T. P. Miller. Insecticide and Acaricide Tests, Vol. II.

76-824. Timing of Herbicide Application for Musk Thistle Control. Fred W. Roeth. NCWCC Proceedings.

76-825. History of Aerial Application. Connie J. Streeter and Orvin C. Burnside. North Central Weed Control Conference Proceedings.

76-826. Weed Control in Narrow-Row Sorghum. G. L. Cramer and O. C. Burnside. North Central Weed Control Conference Proceedings.

BULLETINS PRINTED

SB 536. Evaluation, Winter Protection, & Disease Studies of Roses. S. S. Salac and L. T. Palmer.

SB 538. Dry Edible Bean Production Cost in Scotts Bluff County, Nebraska for 1974. Robert E. J. Retzlaff.

OTC 175. Nebraska Spring Small Grain Variety Tests 1976. A. F. Dreier, J. W. Schmidt, L. A. Nelson and R. S. Moomaw.

OTC 176. Nebraska Varietal Tests of Fall-Sown Small Grains 1976. A. F. Dreier, J. W. Schmidt, L. A. Nelson, P. H. Grabouski and P. T. Nordquist.