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## Agricultural Experiment Station News January 1979

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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. 12, No. 7, January 1979

## FROM THE DIRECTOR'S DESK

Several happenings in the Station system may be of interest to you:

- Dr. Walter Thomas, formerly Associate Director of the Pennsylvania Station, is the new Deputy Director of CR/SEA. He replaces Dr. Richard Aldrich who resigned last summer. Dr. Thomas is a native of Nebraska, from Broken Bow.
- Dr. Sylvan Wittwer, Director of the Michigan Station was recently elected as a foreign member of the V. I. Lenin All-Union Agricultural Academy, the second such member to be elected from the United States.
- Dr. Arlon Hazen, formerly Director of the North Dakota Station, officially replaced Dr. George Browning as Regional Director for the North Central Region on January 1. Dr. Browning retired on December 31.

### Soybean, Corn, and Wheat Coordinating Committees

The Experiment Station has recently created a corn research coordinating committee, and a wheat research coordinating committee, similar to the soybean committee which has been active for a couple of years.

We have asked these committees to serve as screening and facilitating committees for all proposals from Station staff to the respective State commodity boards responsible for checkoff programs. All such proposals should be submitted to this office, and will be referred to the appropriate coordinating committee.

The chairmen of these committees are Dr. Hanway (soybeans), Dr. Gast (corn) and Dr. Sahs (wheat). Please call them for further information about research ideas which might be supported financially by the commodity boards.

H. W. Ottoson

## PERSONNEL ACTIONS

- Cady, Ralph E. - Instructor- Conservation and Survey - Leave of Absence to 5/31/79
- Guyer, Paul Q. - Professor - Animal Science - Leave of Absence - 8/15/79 to 12/31/79
- Kuhr, Steven L. - Assistant Professor - Agronomy - New Appointment
- Nevius, Anna B. - Instructor - Biometrics & Inf. Sys. Ctr. - Resignation
- Pollmann, Steven D. - Instructor - Animal Science - New Appointment

GRANTS AND CONTRACTS

Campbell, John - North Platte Sta. - Bayvet Division, Cutter Lab., Inc.	1,500
Daigger, Louis - Panhandle Station - Lockwood Corporation	5,000
Fenster, C. R. - Panhandle Station - Nebr. Dept. of Agri., Wheat Div.	6,000
Fenster, C. R. - Panhandle Station - Shell Chemical	1,000
Hassler, James B. - Ag Economics - Old West Regional Commission	95,040
Klopfenstein, Terry - Animal Science - Farmland Industries	2,500
Nichols, James - North Platte Station - Anna H. Elliott Fund	10,000
O'Keefe, Robert - Panhandle Station - Nebr. Dept. of Agri., Potato Div.	4,000
O'Keefe, Robert - Panhandle Station - ICI Americas, Inc.	500
Omtvedt, Irvin - Animal Science - Mr. & Mrs. Henry Klosterman	2,000
Reece, Patrick E. - Panhandle Station - PPG Industries, Inc.	1,000
Satterlee, Lowell - FS&T - Nebr. Dept. of Agri., Wheat Div.	2,000
Shahani, Khem M. - FS&T - National Institutes of Health, DHEW; NIH	28,050
Wilson, Robert Jr., - Panhandle Station - PPG Industries, Inc.	1,500

GENERAL NOTES

- New indirect cost rates for all federal grants and contracts have been negotiated for University of Nebraska units. The new rates for divisions of the IANR are:
 

Agricultural Experiment Station.....	58.3% of salaries and wages
Cooperative Extension Service.....	40.0% of salaries and wages
College of Agriculture.....	49.8% of salaries and wages on campus
	30.1% of salaries and wages off campus
Conservation and Survey Division	
and Water Resources Center.....	59.0% of salaries and wages on campus
	35.9% of salaries and wages off campus
- We cite the following to provide deadline reminders and also to help avoid confusion between several current grant solicitations:
 

SEA-CR <u>Competitive</u> Grants - group 1...	December 22 (gone in)
SEA-CR <u>Competitive</u> Grants - group 2...	January 22 (our office)
SEA-CR <u>Special</u> Grants.....	January 18 (our office)
AES Summer Research Grants.....	February 15 (our office)
Nebr. Wheat Div. Research Grants.....	January 15 (gone in)
- Grants and contracts are an increasingly important source of support in the AES. We appreciate the extensive effort involved in developing proposals and the frustrations associated with varying (sometimes low) probabilities of success. By and large, you, the scientists, are responding very well and this area of support is increasing gratifyingly. We must all keep watching for and pursue with increasing vigor all appropriate sources of support for our defined program areas.
- The professional worker;
  - Accepts responsibility for the planning, execution, results and objective evaluation of his own activities.
  - Regards his supervisors as fellow professional workers and they regard him the same way.
  - Is loyal to his fellow workers and avoids gossip, rumors and hearsay.
  - Respects the confidence of others.
  - Adjusts grievances through proper channels.
  - Does not advance himself at the expense of others.
  - Reflects pride and satisfaction in his work and his organization in contacts with others.

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - December 1978

Journal Articles - Submitted for Publication (contact authors for more information)

5614. Relationship of Clay Content of Control Sections and Underlying Loess Within Major Soils in Southeast Nebraska. Laurence E. Brown, David T. Lewis and Gary D. Lemme. Soil Science Society of America.
5615. Simulated Efficiency of Beef Production for a Midwestern Cow-Calf-Feedlot Management System. I. Milk Production. David R. Notter, J. O. Sanders, G. E. Dickerson, Gerald M. Smith and T. C. Cartwright. Journal of Animal Science.
5616. Simulated Efficiency of Beef Production for a Midwestern Cow-Calf-Feedlot Management System. II. Mature Body Size. David R. Notter, J. O. Sanders, G. E. Dickerson, Gerald M. Smith and T. C. Cartwright. Journal of Animal Science.
5617. Simulated Efficiency of Beef Production for a Midwestern Cow-Calf-Feedlot Management System. III. Crossbreeding Systems. David R. Notter, J. O. Sanders, G. E. Dickerson, Gerald M. Smith and T. C. Cartwright. Journal of Animal Science.
5618. RNA Polymerase Activity Associated with Bacteriophage  $\phi 6$  Nucleocapsid. James Partridge, James L. Van Etten, Dwight Burbank and Anne K. Vidaver. Journal of General Virology.
5619. Cathedral or Crisis Sex? Barbara Jo Chesser. Journal of Religion and Health.
5620. Differentiation of Food Spoilage Bacteria on the Basis of Their Ability to Utilize Different Proteins. A. Sikes and R. B. Maxcy. Journal of Food Science.
5621. Polyadenylated-containing RNA in Dormant and Germinating Spores of *Rhizopus stolonifer*. James L. Van Etten and Shelby N. Freer. Experimental Mycology.
5622. Changes in Messenger RNAs and Protein Synthesis During Germination of *Rhizopus stolonifer* Sporangiospores. Shelby N. Freer and James L. Van Etten. Experimental Mycology.
5623. Control of Sclerotinia Diseases. James R. Steadman. Phytopathology.
5624. Evidence for a Peliotropic Effect of the Pubescence Color Genes on Hypocotyl Color in Soybeans. James E. Specht and James H. Williams. Crop Science.
5625. Uptake, Translocation and Utilization of Nitrogen in Corn (*Zea mays* L.) Traced with  $^{15}\text{N}$  Depleted Fertilizer. Manuel Bigeriego, R. D. Hauck and Robert A. Olson. Soil Science Society of America.
5626. An Improved Method for Nitrite Extraction from Plants. Lowell Klepper. Agricultural and Food Chemistry.
5627. Measuring Protein Quality. L. D. Satterlee, H. F. Marshall and J. M. Tennyson. Journal of the American Oil Chemists Society.
5628. Observations on the Life Cycle of Spurge Hawkmoth. J. R. Forwood and M. K. McCarty. Transactions, Nebraska Academy of Sciences.

Journal Abstracts - Submitted for Publication (contact authors for more information)

- 78-1114. Influence of Additives on Toxicity of Glyphosate to Hemp Dogbane. Marvin E. Schultz and Orvin C. Burnside. North Central Weed Control Conference Research Reports.
- 78-1115. Influence of  $\text{Ca}(\text{NO}_3)_2$  Levels on Toxicity of Glyphosate to Hemp Dogbane. Marvin E. Schultz and Orvin C. Burnside. North Central Weed Control Conference Research Report.
- 78-1116. Glove Treatments for Control of Common Milkweed. Gary L. Cramer and Orvin C. Burnside. North Central Weed Control Conference Research Report.
- 78-1117. Chinch Bug Control. Leroy L. Peters. Insecticide-Acaricide Tests.
- 78-1118. Weed Control in Transplanted Tree Seedlings. Robert G. Wilson, Jr. North Central Weed Control Conference Research Report.
- 78-1119. Blood Serum Lipid Levels and Fatty Acid Patterns of Adult Men Fed Institutional Diets Altered in Fat Source. Alice Yan Leng Sim and C. Kies. Home Economics Research Abstracts.
- 78-1120. Chromium and Zinc Nutritional Status of Normal Adults on Elemental and Nonelemental Formula Diets. Stefania Irene Carpenter and Constance Kies. Home Economics Research Abstracts.
- 78-1121. Urinary Excretions of Pantothenic Acid and Methionine in Humans as Affected by Methionine and Pantothenic Acid Intake. Rose Renee Woitaszewski and Constance Kies. Home Economics Research Abstracts.
- 78-1122. Pantothenic Acid Nutritional Status of Adolescent Children and Young Adults on Free Choice Diets. JoAnne V. Kathman and Constance Kies. Home Economics Research Abstracts.
- 78-1123. Calcium and Magnesium Nutritional Status of Adolescent Humans Fed Cellulose or Hemicellulose Supplements. Mary McHale and Constance Kies. Home Economics Research Abstracts.
- 78-1124. Iron and Copper Utilization from Elemental and Non-elemental Liquid Formula Diets. Deborah Raechel Gronli and Constance Kies. Home Economics Research Abstracts.
- 78-1125. Bioassays of Lead and Fiber Involvement in Iron Utilization of Weanling Mice and Human Adolescents. Kathryn Alice Leu and Constance Kies. Home Economics Research Abstracts.
- 78-1126. Field Corn, European Corn Borer Control, 1978. John F. Witkowski. Abstract: Pesticide and Acaricide Tests.
- 78-1127. Field Corn, Corn Rootworm Larval Control, 1978. Z B Mayo, L. L. Peters, J. B. Campbell, A. F. Hagen and J. F. Witkowski. Abstract in: Pesticide and Acaricide Tests.
- 78-1128. Fungicide Suppression of Fusarium Blight, 1978. John E. Watkins and Robert C. Shearman. Fungicide and Nematicide Tests.