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## Agricultural Experiment Station News September 1968

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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

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Vol. 1, No. 3, September 1968

## FROM THE DIRECTORS OFFICE

Nondiscrimination in employment: As a matter of policy the Experiment Station is complying with several legislative actions concerning equal employment opportunity. These include:

- (a) Title VII of the Civil Rights Act of 1964.
- (b) Presidents Executive Order Number 11246. (required where Federal funds are used).
- (c) Nebraska Fair Employment Practices Act of 1965.
- (d) The policy enumerated by the Board of Regents in a letter to the faculty dated August 6, 1965.

Anyone involved in employment of personnel should know the content of these acts.

Research at University Field Laboratory: We participated in three tours of interesting research underway at "Mead" recently:

- (a) Sorghum research
- (b) Soybean research
- (c) Highway beautification research

Field Day at North Platte: Congratulations to Les Sheffield and his staff on a very successful field day, and an impressive set of progress reports.

Howard W. Ottoson

## INTERDISCIPLINARY RESEARCH PROGRAMS

There is increasing recognition of needs for interdisciplinary cooperative and coordinated effort in many program areas. Departments evolved largely from professional or technology domains and are logical and essential as mechanisms for development, maintenance, stimulation and evaluation of technical strength and professional stature. But there is no basis for assuming that all problems and program needs can be effectively accommodated within a particular department. Interdisciplinary cooperation provides for effective engagement of broad technical needs without disrupting the departmental structure which is so important to maintaining strong participants.

It is not intended that interdisciplinary programs shall violate nor diminish the integrity of departments or of the individual staff member. With administrative vigilance this need not happen.

Interdisciplinary program groups now active in the Experiment Station include:

- Feedlot Water Pollution - Federal and State personnel
- Sorghum Physiology - Dr. Eastin, Leader
- Soybean Production - Dr. Williams, Chairman
- Vegetable Production - Dr. Coyne, Leader
- Human Nutrition - Dr. Fox, Chairman
- Soil and Water Conservation - Dr. Vollmar, Chairman
- Forage Production and Handling - Informal
- Greenbug Control - Dr. Raun, Chairman

(over)

## PERSONNEL ACTIONS

Marcele Barelman - Associate State Leader, 4-H and YMW - Resignation  
L. M. Harvill - Instructor, Agricultural Education - Resignation  
Noboru Mochinzuki - Instructor, Agronomy - Resignation  
K. O. Rachie - Visiting Professor, Agronomy - Resignation  
John R. Vallentine - Range Management, North Platte - Resignation  
Mieko Iwai - Assistant Professor, Food Science and Technology - Resignation  
Sandra Heybrock - Specialist in Foods and Nutrition  
L. S. Jeffery - Assistant Professor of Agronomy  
H. A. Mattson - Assistant Instructor, Agricultural Education

## NEW GRANTS, CONTRACTS AND COOPERATIVE AGREEMENTS

Burnside, O. C. - Agronomy - American Oil Company	\$ 1,000.00
Chesnin, Leon - Agronomy - American Zinc, Lead and Smelting	1,000.00
Colville, W. L. - Agronomy - Monsanto Company	6,000.00
Horner, J. T. - Agricultural Education - U.S. Office of Educ.	12,500.00
Robison, L. R. - Shell Oil Company	500.00
Wicks, G. A. - North Platte - Agronomy - Esso Company	1,500.00

## GENERAL NOTES

1. Annual Station Superintendents meeting - Scottsbluff - October 9. ✓
2. Panhandle Advisory Committee meeting - Alliance - October 10. ✓
3. High Plains Agricultural Laboratory conservation program meeting - Sidney - October 22-23. ✓
4. Annual Experiment Station Workers Conference - Lincoln - November 20-21. ✓
5. On September 19 representatives of National Science Foundation made a "site visit" here in connection with our request for some funding from them for the Weed Science Laboratory. This visit was encouraging for our course.
6. The School of Home Economics has taken delivery of a second mobile demonstration unit for their Homemaker Rehabilitation program.
7. University of Nebraska enrollments are reported as: Undergraduate, Lincoln-15,119; Professional - 1366; Graduate - 2539; University of Omaha - 10,700; for a total of 29,724.
8. Jason Webster will on November 1 become Assistant Professor of Agronomy and Manager of the Northwest Agricultural Laboratory at Alliance. Many of you will have occasion to work with him at this satellite of the Scottsbluff Station and can look forward to effective cooperation with him. This assignment follows the termination of the Turkish program and his able work with it.
9. Warren Sahs reports that plans are being made to allow small game hunting with shotguns only, at the University of Nebraska Field Laboratory at Mead. The opening date will depend upon harvest schedule and weather, but will likely be November 22, or at the latest, November 29. Closing will be January 4. This activity will be on a trial basis as it was last year.

R. W. Kleis

AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - SEPTEMBER 1968

Station and Research Bulletins - None

Journal Articles Approved:

2424. Reproductive Performance of Two-Year Old Hereford and Angus Heifers as Influenced by Pre- and Post-Calving Energy Intake. T. G. Dunn, J. E. Ingalls, D. R. Zimmerman and J. N. Wiltbank. Journal of Animal Science.
2425. CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub> in the Soil Atmosphere of Subtilled and Plowed Soils as Determined by the Partial Vacuum Method. J. S. Boyce and T. M. McCalla. Soil Science.
- 2426a. Quality of Alfalfa Stems. J. R. Hibbs, T. J. Klopfenstein and T. H. Doane. Journal of Animal Science.
- 2427a. Urea, Soybean Meal and Corn as Supplements to Corn Silage. Walter Tolman, and Walter Woods. Journal of Animal Science.
- 2428a. Urea or Ammonium Salts of Volatile Fatty Acids as Supplements to Beef Cattle Rations. Larry Varner, Walter Woods and T. J. Klopfenstein. Journal of Animal Science.
2429. Atmospheric Content of Conidia of Cercospora Beticola Sacc. J. S. Lawrence and D. S. Meredith. Annals of Phytopathology.
- 2430a. Predicting Carcass Yield Grade In Feeding Steers. P. Q. Guyer, V. Arthaud, R. B. Warren and W. W. Woods. Journal of the American Society of Animal Science.
2431. Analysis of Antigen-Antibody Reactions of Two Plant Viruses by Density-Gradient Centrifugation and Electron Microscopy. Ellen M. Ball and Myron K. Brakke. Virology.
2432. Relation of Ration Sucrose Level and Grain Content to Lactation Performance and Rumen Fermentation. D. W. Kellogg and F. G. Owen. Journal of Dairy Science.
2433. Color of Poultry Meat as Influenced by Dietary Nitrates and Nitrites. G. W. Froning, J. Daddario, T. E. Hartung, T. W. Sullivan and R. M. Hill. Poultry Science Journal.
- 2434a. Control of Common Mullein. M. K. McCarty, G. L. Horst, and A. L. Smith. 1968 North Central Weed Control Conference Research Report.
- 2435a. Control of Tall Thistle. G. L. Horst and M. K. McCarty. 1968 North Central Weed Control Conference Research Report.
- 2436a. Oat Yields One Year After Preemergence and Postemergence Atrazine Applications on Sorghum. O. C. Burnside. 1968 North Central Weed Control Conference Research Report.
2437. Mutation Studies Involving Quantitative Traits. C. O. Gardner. International Symposium on Present State in Mutation Breeding Proceedings. Gamma Field Symposia No. 7, 1968. Ohmiya, Ibaraki, Japan.

2438. Analysis of Macaroni Manufacturing Costs. William E. Pearson and Richard G. Walsh. Macaroni Journal.
2439. Effect of Assembly Costs on Optimum Grain Elevator Size in Plains and Corn Belt Locations. Ahmed Al-Araji and Richard G. Walsh. Nebraska Journal of Economics and Business.
2440. Graft Compatibility and Its Influence on Self- and Cross-Fertility in Selected Species of Melilotus. O. A. Ojomo and H. J. Gorz. Crop Science.
- 2441a. Stimulatory Effects of 4-Amino-3,5,6-Trichloropicolinic Acid on the Growth of Aspergillus. C. E. Rieck and T. M. McCalla. Bacteriological Proceedings.
- 2442a. Changes in the Chemical and Biological Properties of Beef Cattle Manure During Decomposition. T. M. McCalla, J. R. Ellis, and W. R. Woods. Bacteriological Proceedings.

a - Denotes abstract