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# Agricultural Experiment Station News January 1976

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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. 8, No. 7, January 1976

FROM THE ACTING DIRECTOR'S DESK

THE FEBRUARY 16 VOTE RELATED TO FACULTY COLLECTIVE BARGAINING - The Board of Regents at a recent meeting adopted the following policy statement:

"The Nebraska Court of Industrial Relations has ordered that an election be held among the University of Nebraska-Lincoln faculty members for the purpose of determining whether they desire to be represented by an exclusive collective bargaining agent in matters concerning wages, hours, and conditions of employment.

"We do not agree with the determination of the Court that the University of Nebraska-Lincoln faculty should be set apart in a separate unit or units. We, therefore, direct University counsel to appeal that decision to the Nebraska Supreme Court.

"The position of the Board of Regents is that if an election is to be held, voting faculty members should make an informed choice on this important matter, and the administration is instructed to provide information."

This election and the issue involved is of very great importance to the faculty both collectively and individually and to our University and State. It is, therefore, important that you vote and that you take the time to become informed of all aspects of the matter as a basis for voting your considered conclusion.

We assume that consistent with the Board of Regents statement, additional information will soon be provided to help you assess various aspects of the question. Some material has already been distributed from the AAUP chapter. You may also desire to research the matter through other sources. The Liaison Committee of the IANR has scheduled an IANR faculty meeting for discussion of different aspects of the question at 3:30 on February 6 in the Home Economics Auditorium.

The outcome of the election will be determined by a simple majority of those voting. This outcome will apply to all faculty (including those in County offices and UNSTA, excluding Law and Dentistry). Thus, your interest is involved and your vote is important.

CHANGES IN COMPUTER USAGE COSTS - Two mid-year adjustments have been made in the costs of using the IBM 360/65 computer in Nebraska Hall. These changes affect users in departments that have requested and received computer allocation dollars from the IANR computer allocation budget. The changes are as follows:

1. During January through March all user accounts will be credited with a 10 percent rebate for jobs run at priority "0". The rebates will be credited to the accounts at the end of each month, based upon priority "0" charges accumulated during the month. Priority "0" jobs ordinarily provide overnight turn-around time and, with the rebate, are even more economical than before. Follow-up analyses will determine whether this rebate policy is to be continued past March, 1976.

2. Starting January 1, 1976, all computer project accounts that are supported by allocation dollars must have an associated "hard dollar" account in order to run jobs at priority 13. Otherwise, the priority 13 jobs will be automatically reset to priority 6. At the end of each month, 10 percent of the cost of jobs at priority 13 will be charged to your hard dollar account and 90 percent to the allocation account. Since turn-around time for priority 6 jobs is usually less than 2 hours (and often less than an hour), this change should not be a hardship for IANR users. Note also that priority 6 jobs cost twice as much as priority "0" jobs and that priority 13 jobs cost three times as much as priority 6 jobs.

If you have questions about these changes or want to discuss adjustments in your computer allocation call Will Schutz at 2903 or 2904.

#### PERSONNEL ACTIONS

Lemme, Gary D. - Instructor in Agronomy (Appointment)  
Lewis, David T. - Associate Professor of Agronomy (Change)  
Poley, Janet K. - Associate Professor of Agricultural Communications (Resignation)  
Shasby, Mark B. - Instructor in Forestry (Appointment)  
Trimmer, Walter L. - Instructor in Agricultural Engineering, Panhandle Station (Appointment)

#### GRANTS AND CONTRACTS

Campbell, J. B. - Entomology (North Platte Station) Dow Chemical Company	\$ 500
Owen, F. G. - Animal Science - Ruminant Nitrogen Products Company	5,000
Schmidt, J. W. - Agronomy - Rohm and Haas Company	750
Williams, J. H. - Agronomy - Archer Daniels Midland Company	5,500

#### GENERAL NOTES

1. We look forward to the arrival of our new Vice Chancellor for the IANR in March. Dr. Martin Massengale has been professor of Agronomy, Department Head and Associate Director (AES) at the University of Arizona in the period since 1958. Previous experience and education includes Wisconsin (M.S. and Ph.D.) and West Kentucky State College (B.S.). Dr. and Mrs. (Ruth) Massengale have a son, Alan, in fifth grade and a daughter, Jennifer, in first grade.
2. The Agricultural Experiment Stations' Centennial film "Unfinished Miracles" is getting very gratifying usage. We have purchased three additional copies. You may obtain this film through the UN-L film library, the department of Agricultural Communications or the Douglas County Extension office. Quantity copies of the brochure are available.
3. The Department of Plant Pathology is scheduled to "return home" to their restored third floor of the Plant Industry building next week (January 19).
4. Sahs Sez - Insecticides, herbicides, fertilizers, etc., should be ordered soon. New corn insecticides are moving rapidly but the total supply should be adequate. The fertilizer supply lines are filling up; feed grain seed supplies are plentiful. The Purchasing Department asks for your requisitions.
5. A Search and Screening Committee is being activated for the Chairmanship of Agricultural Education. Dean Hartung will be serving as the administrative liaison.
6. Schnieder on Safety - Wind-chill index is the cooling power of the air and involves both wind and temperature. For example, a temperature of -10 and a 20 miles per hour wind gives a -52 wind chill. Protect the face in this type of cold since flesh can start freezing in a short period of time in these temperature conditions.

R. W. Kleis

NEBRASKA AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - December 1975

Journal Articles (contact authors for more information)

5019. Is the ROPS Standard Adequate? G. W. Steinbruegge. Agricultural Engineering.
5020. Lactase Activity of Cultured and Acidified Dairy Products. A. Kilara and K. M. Shahani. Journal of Dairy Science.
5021. Management of Crop Diseases in Reduced Tillage Systems. M. G. Boosalis and Ben Doupnik, Jr. Bulletin of Entomological Society of America.
5022. Problems and Need for High Utilization Rates of Wastes. W. E. Larson and G. E. Schuman. Proc., SSSA Symposium, "Land for Organic Waste and Wastewater Disposal," March 11-13, 1975, Muscle Shoals, AL.
5023. Bovine Brisket Edema of Unknown Etiology. Clair M. Hibbs. Proceedings of 18th Annual Meeting of the American Assn. of Veterinary Laboratory Diagnosticians.
5024. A 14-Year Summary of Light Trap Catches of the Western Bean Cutworm in Nebraska Loxagrotis albicosta (Smith) (Lepidoptera: Noctuidae). Arthur F. Hagen. Journal of the Kansan Entomological Society.
5025. Some Aspects of Host-Pathogen Interactions. J. M. Daly. Encyclopedia of Plant Physiology Introductory Chapter of Volume on Host-Parasite in Plant Disease.
5026. Population Improvement in Maize. C. O. Gardner.
5027. Registration of Seventeen Populations from the BIC Alfalfa Germplasm Pool. D. K. Barnes, E. L. Sorensen, R. N. Peaden, W. R. Kehr, J. H. Elgin, Jr., O. J. Hunt, T. E. Devine, I. I. Kawaguchi, F. I. Frosheiser and C. H. Hanson. Crop Science.
5028. Characterization of a Calf Diarrheal Coronavirus. R. L. Sharpee, C. A. Mebus and E. P. Bass. American Journal of Veterinary Research.
5029. Quantitative Identification of Indole and Skatole in a Housed Swine Unit. T. A. Travis and L. F. Elliott. Journal of Environmental Quality.
5030. Planning Forage Harvesting Using Simulation. L. R. Verma, K. Von Bargen, J. L. Ballard. Transactions of the ASAE.

Journal Abstracts (contact authors for more information)

- 75-508. Herbicidal Control of Musk Thistle. Fred W. Roeth. Proceedings of the North Central Weed Control Conference.
- 75-509. Orally-Administered Liquid Formula and Elemental Diets as a Sole Source of Nutrition for Normal Human Adults. C. Kies and H. M. Fox. Federation Proceedings.
- 75-510. Methionine, Inorganic Sulfur and Choline Interrelationships Influencing Protein Nutritive Value of Soy-Based Diets for Humans. M. D. Vemury, C. Kies and H. M. Fox. Federation Proceedings.

- 75-511. Phytotoxicity of Asphalt Herbicide Combinations. Danny R. Gigax and O. C. Burnside. North Central Weed Control Conference Proc.
- 75-512. Effects of N Sources and Length of Feeding Period on Glutamate Metabolizing Enzymes. R. A. Britton, R. L. Prior, R. A. Scott and G. B. Huntington.
- 75-513. Factors Affecting Quality, Physical and Chemical Characteristics of Mechanically Deboned Poultry Meat. G. W. Froning. Journal of Food Science.

BULLETINS PRINTED

- RB 270. Leaf Freckles and Wilt of Corn Incited by *Corynebacterium Nebraskense* Schuster, Hoff, Mandel, Lazar, 1972. M. L. Schuster.
- RB 272. Reevaluation of Common Wheats From the USDA World Wheat Collection For Protein and Lysine Content. K. P. Vogel, V. A. Johnson and P. J. Mattern.
- OTC 168. Nebraska Varietal Tests of Fall-Sown Small Grains 1975. A. F. Dreier, J. W. Schmidt, L. A. Nelson, P. H. Grabouski and P. T. Nordquist.
- OTC 169. Nebraska Spring Small Grain Variety Tests 1975. A. F. Dreier, J. W. Schmidt, L. A. Nelson and R. S. Moomaw.
- SB 527. Growing Dry Edible Beans in Nebraska. D. P. Coyne, Frank N. Anderson, Clifford L. Ashburn, C. R. Fenster, Arthur F. Hagen, O. W. Howe, Dean W. Lancaster, M. L. Schuster and J. R. Steadman.

89th Annual Report.