

University of Nebraska - Lincoln

DigitalCommons@University of Nebraska - Lincoln

Agricultural Research Division News & Annual Reports

Agricultural Research Division of IANR

7-1971

Agricultural Experiment Station News July 1971

Follow this and additional works at: <https://digitalcommons.unl.edu/ardnews>



Part of the [Agriculture Commons](#)

"Agricultural Experiment Station News July 1971" (1971). *Agricultural Research Division News & Annual Reports*. 239.

<https://digitalcommons.unl.edu/ardnews/239>

This Article is brought to you for free and open access by the Agricultural Research Division of IANR at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Agricultural Research Division News & Annual Reports by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.



UNIVERSITY OF NEBRASKA COLLEGE OF
AGRICULTURE AND HOME ECONOMICS
THE AGRICULTURAL EXPERIMENT STATION

E. F. FROLIK, DEAN
H. W. OTTOSON, DIRECTOR

Agricultural Experiment Station



Vol. 4, No. 1, July 1971

FROM THE DIRECTOR'S DESK

As you know we have been deriving a publications rating for each scientist in the Station, based on the annual report of staff activities which you prepare. Of course we recognize that Station scientists engage in many worthy activities during the year in addition to publishing, and that they should be credited with them. However, a fair evaluation of a scientist's productivity obviously has to rest heavily on his publications. A publications index is a numerical symbol of publication activity which gives a basis for relative comparison, recognizing all of the problems of adding together publications of different types and quality. We thought that you would like to know the weights used in deriving our publication index. The process is as follows:

- a. First, we "weigh in" a person's different individual publications for the year, using the following weights for type of publication.

Journal Article	1.00	*National Farm Magazine Article	.30
Research Bulletin	1.00	Abstract	.20
Station Bulletin	.60	Symposium Paper	.20
Quarterly Article	.30	Departmental Report	.20
*Extension Circular	.30	*Other Farm or Trade Magazines	.20

*Counted as Station output if author is not on an Extension appointment.
- b. Second, where there are two or more authors, the publication weighting is adjusted for the rank of the author. In order to encourage cooperative work we give slightly greater total credit for multiple authors than for a single author, as shown below. Then each author's share is figured by multiplying the total value of the publication by the "author's share" thus, the second author of a two-author publication would receive .5 of the publication value; a third author of a three-author publication would receive .20 value, and so on. Of course if joint authors give us other basis for evaluating the fair shares, we use them.

1 Author	(1.00)	1.00
2 Authors	(1.10)	.60, .50
3 Authors	(1.20)	.60, .40, .20
4 Authors	(1.30)	.50, .40, .20, .20
5 Authors	(1.40)	.50, .30, .20, .20, .20
6 Authors	(1.50)	.40, .30, .20, .20, .20, .20
- c. Third, we sum the above ratings, and divide by the percentage of full-time represented by the person's Station appointment. The result is our publication rating.

We have recently figured a five-year publication rating for each staff member, which would seem to be much fairer than a one-year rating. We recognize the limitations of the above system, and the arbitrary nature of the factors. In fact, in the three years in which we have computed annual publication ratings we have made changes each year. We would be glad to have your comments and suggestions.

Howard W. Ottoson

PERSONNEL ACTIONS

Anderson, Lloyd W. - Assistant Superintendent, Scotts Bluff Station and Assistant District Extension Director of District 1 (appointment)
Arnold, Roy G. - Assistant Director of Resident Instruction (appointment)
Becker, Helen - Associate Professor of Human Development & Family, Emeritus (resignatio
Graham, Robert H. - Instructor, Agricultural Engineering, USMARC (courtesy appointment)
Hollister, Allen Leonard - Engineer, Sorghum Physiology Program work (resignation)
Nordquist, Paul T. - Assistant Professor with tenure, Agronomy (promotion)
Satterlee, Lowell D. - Assistant Professor, Food Science & Technology, Voting member of Graduate Faculty
Schulze, Larry D. - Instructor, Agronomy (appointment)
Sheffield, Leslie F. - Assistant Professor with tenure, Agricultural Economics (promotion)

GRANTS AND CONTRACTS

Ball, H. J. - Entomology - Geigy Agricultural Chemicals	\$ 1,500
Ball, H. J. - Entomology - Chevron, Ortho Division	3,000
Brakke, M. K. - Plant Pathology - National Science Foundation	20,300
Burnside, O. C. - Agronomy - E. I. du Pont de Nemours and Company	500
Burnside, O. C. - Agronomy - Dow Chemical Company	500
Burnside, O. C. - Agronomy - CIBA Agrochemical Company	500
Clanton, D. C. - Animal Science, North Platte - Dow Chemical Company	3,000
Fenster, C. R. - Agronomy, Scotts Bluff - Eli Lilly and Company	500
Munson, J. D. - Entomology - American Cyanamid Company	1,500
Munson, J. D. - Entomology - Fisons Corporation	750
Munson, J. D. - Entomology - Mobil Chemical Company	1,000
Munson, J. D. - Entomology - Dow Chemical Company	500
Munson, J. D. - Entomology - Nor-Am Agricultural Products, Inc.	500
Munson, J. D. and H. J. Ball - Entomology - American Cyanamid Company	2,000
Schutz, W. M. - Statistical Laboratory - Nebraska Bankers Association, Inc.	4,500
Sullivan, T. W. - Poultry Science - Pfizer Inc.	3,000
Trotter, V. Y. - Home Economics - Nebraska Heart Association	400
Wittmuss, H. D. - Agricultural Engineering	10,000
Woods, W. R. - Animal Science - Swift and Company	5,500
Woods, W. R. - Animal Science - Miscellaneous Donors	6,625
Woods, W. R. - Animal Science - Alcoa Foundation	1,000
Woods, W. R. - Animal Science - Hoffman-LaRoche Inc.	3,650
Woods, W. R. - Animal Science - Miscellaneous Donors	2,333

GENERAL NOTES

1. Tractor Power and Safety Day - July 29 at the Field Laboratory; Scotts Bluff Station Field Day - August 19.
2. A roll-bar on one of two tractors mowing a road ditch bank at the Northeast Station paid off last week. Fortunately it was the roll-bar equipped unit that hit the obscured washout and rolled with no personal injury or equipment damages. Without the bar and the fastened seat belt, serious injury would have been highly likely.
3. There are some twenty-five physical facilities improvement projects ranging from design stage to nearing completion on our campus. Some of these will project into the summer or fall giving the appearance of fiscal 1972 progress even though there is a very small appropriation for next year.
4. You are reminded again of the equipment security compound north of the poultry plant for project vehicles and equipment. You are urged to use it for security, for campus tidiness and for relief of parking space.

R. W. Kleis

AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - June 1971

- 3171a. Inheritance of the Reaction of Potatoes to Verticillium Wilt and Methods of Screening Segregating Populations. Oscar S. Malamud and R. B. O'Keefe. Program for the First International Symposium on Verticillium - Kent, England.
3172. Nitrate Concentrations in Groundwater Beneath a Beef Cattle Feedlot. J. C. Lorimor, L. N. Mielke, L. F. Elliott and J. R. Ellis. Transactions of The American Society of Agricultural Engineers.
3173. Solubility of 8-Glucosidase in Homogenates of Sweetclover Leaves and Bean Hypocotyls. T. A. Jaynes, F. A. Haskins, H. J. Gorz, and A. Kleinhofs. Plant Physiology.
3174. Design and Construction of Large Concrete Tilt-Up Silos. O. E. Cross, E. A. Olson and G. H. Lewis. Journal of American Society of Agricultural Engineers.
3175. Made in Colombia. N. C. Teter, W. W. Hobbs and D. M. Manbeck. Ag. Engineering Journal.
3176. Ammonium Salts of Volatile Fatty Acids as Nitrogen Sources for Ruminants 2. Influence of Nitrogen Source upon Portal Blood Ammonia Levels. Larry W. Varner and Walter Woods. Journal of Animal Science.
- 3177a. The Structure of an Ornithine-Containing Lipid from Thiobacillus thiooxidans.¹ H. W. Knoche and J. M. Shively. Journal of American Oil Chemists' Society.
3178. Soil Moisture Extraction Patterns by Growing Plants Using a Subsurface Irrigation System. D. M. Edwards and R. Goel. Transactions of ASAE.
3179. Design of Air Curtain Tractor Cabs. R. B. Anderson and G. W. Steinbruegge. Transactions of the ASAE.
3180. Haemonchus contortus: Enzymes II Fructosediphosphate Aldolase. Marvin B. Rhodes. Experimental Parasitology.
- 3181a. Movement of Mineral Nitrogen in Three Soil Profiles as Influenced by Nitrogen and Irrigation Levels. L. D. Maddux and R. A. Olson. ASA Meeting - Aug. 1971.
3182. Tractor Noise Measurement at Nebraska. Ned H. Meier and G. W. Steinbruegge. Transactions of the A.S.A.E.
3183. Air Pressure and Velocity Distribution Patterns in 2-Dimensional, Triangular-Shaped Piles of Sorghum Using Forced Convection. Vinod K. Jindal and Thomas L. Thompson. ASAE Transactions.
- 3184a. Influence of Fertilizer Practices on Water and the Quality of the Environment. E. C. Seim, P. N. Mosher and R. A. Olson. Soil Science Society of America Proceedings.
3185. Ultrastructure of Normal Neonatal Calf Intestine and Intestines Infected with Neonatal Calf Diarrhea Virus and/or Escherichia coli. E. L. Stair, C. A. Mebus, M. J. Twiehaus and N. R. Underdahl. Pathologia Veterinaria.

3186. Lipases and Flavor Development in Some Italian Cheese Varieties. S. Neelakantan, K. M. Shahani and R. G. Arnold. Food Products Development.
3187. Feedlot Waste Measurement: Some Solutions to the Problems. N. P. Swanson and C. B. Gilbertson. Transactions of ASAE.
- 3188s. Dust in the Air From Soil. D. E. Smika. Symposium on Exploring Nebraska's Air Pollution Problems.
3189. Effectiveness of Hot-Air, 39-MHz Dielectric, and 2450-MHz Microwave Heating for Hard-Seed Reduction in Alfalfa. L. E. Stetson and S. O. Nelson. Transactions of ASAE.
3190. Regional Changes in Comparative Advantage in Wheat and Feed Grain Production in the Great Plains and Northwest. Glenn A. Helmers and William F. Lagrone. Proceedings of Western Agricultural Economics Association.
3191. Hemp Dogbane Growth and Control. Laren R. Robison and Larry S. Jeffery. Weed Science.
3192. Determination of Furrow Stream Size Criteria for Automated Surface Irrigation Systems with Reuse Systems. J. A. Nienaber and P. E. Fischbach. Transactions of ASAE.

Bulletins Printed

- RB 241 Performance Evaluation of Some Warm-Season Prairie Grasses in Nebraska Environments. D. D. Warnes, L. C. Newell and W. J. Moline.

a = Abstract

s = Symposium Paper