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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



Vol. 2, No. 4, October 1969

FROM THE DIRECTOR'S OFFICE

Dear Colleagues:

Attached is an announcement of the Agricultural Experiment Station Workers Conference for this year, as well as registration material. The Conference is set for Tuesday and Wednesday, November 25 and 26. I would like to cordially invite you to attend.

The Planning Committee has worked very hard in planning an excellent program around the theme "Projections to the Future." Starting with general topics the program will conclude with extensive opportunity for everyone to participate in departmental discussion of our present and future research program. We will get our "cues" for these discussions from the Experiment Station Planning Advisory Committee.

Sincerely,

Howard W. Ottoson

READING IMPROVEMENT PROGRAMS

Keeping abreast of the literature relevant to our respective areas of research effort is increasing both in importance and difficulty. Time available and reading capacity seem to many of us to be quite out of balance with the volume of materials confronting us. Thus, any thing we can do as individuals to improve the situation is certainly desirable.

As a result of indications of staff interest in rapid reading training, various possibilities for such have been investigated. We relay what we have learned for any of you who may be interested. There are three programs available in Lincoln that we know of.

1. Lincoln Public Schools - Adult Education Division offers such a program costing \$15.00 (plus book) per enrollee with a limit of 15 people per section. This course is now going and will be offered again starting in late January. Contact Mr. Cather of Lincoln Public Schools.
2. The University Extension Division will arrange a course through University Counselling for "students with reading difficulties." It is not designed to generate great improvement in students who already read well. The cost is \$45.00 or \$57.00 per enrollee depending upon number of sections.
3. Evelyn Wood "Reading Dynamics" is a private offering available in Lincoln at \$195.00 per individual. (1601 P Street; Phone 435-2168)

PERSONNEL ACTIONS

Barnhart, H. M. - Instructor in Food Science and Technology - New
Merchant, Marilyn - Instructor in Family Economics and Management - New

NEW GRANTS, CONTRACTS AND COOPERATIVE AGREEMENTS

Baker, F. H. - Animal Science - Knights of Ak-Sar-Ben	\$4,000.00
Chesnin, L. - Agronomy - Allied Chemical Corporation	1,000.00
Fenster, C. R. (SB) and Wicks, G. A. (NP) - Chevron Chem. Corp.,	5,000.00
Florell, R. J. - Agricultural Extension Service - National Safety Council	2,000.00
Munson, J. D. - Entomology - American Cyanamid Company	2,000.00
Owen, F. G. - Animal Science - BZD Livestock Products	2,500.00
Schmidt, J. W. - Agronomy - Miscellaneous Donors	610.00
Twiehaus, M. J. - Veterinary Science - Miscellaneous Donors	1,000.00
Weeks, S. A. - Agricultural Engineering - Hesston Corporation	4,000.00
Weeks, S. A. - Agricultural Engineering - Hesston Corporation	3,400.00
Weihing, J. L. - Plant Pathology - Wheat Development Division of the Department of Agriculture	1,200.00
Wicks, G. A. - North Platte, Agronomy - FMC Corporation	500.00
Woods, W. R. - Animal Science - Allied Chemical Corporation	6,500.00

GENERAL NOTES

1. Annual Experiment Station Workers Conference - November 25 and 26. We hope you are guarding these dates and are planning to attend and participate.
2. Mr. Gus Lieske, State Fiscal Analyst, will be visiting all of the Agricultural Experiment Station program units during the next few weeks. In most visits, he will be accompanied by Glen Smith, Director of Budget and Systems Planning and Bob Kleis. We welcome his effort to become familiar with our programs.
3. Please be reminded that there is much surplus equipment in storage at the Field Laboratory. We urge you to check through Mr. Hastert for items you might find useful in your program. Please also remember that items becoming surplus to your needs may be made available to others via Mr. Hastert's pool.

This applies only within the Experiment Station. Mr. Legg is the man responsible for inventory and University wide surplus equipment handling and should be advised of transfers of inventoried items.

4. Good hunting and a pleasant Thanksgiving.

R. W. Kleis

AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - OCTOBER 1969

Journal Articles Approved:

2686. Linear-long Sucrose Gradients for Estimating Sedimentation Coefficients of Plant Viruses and Nucleic Acids. Myron K. Brakke and Nancy Van Pelt. Analytical Biochemistry.
2687. Sweetclover Weevil Feeding Stimulants: Variation in Levels of Glucose, Fructose, and Sucrose in Melilotus Leaves. W. R. Akeson, H. J. Gorz and F. A. Haskins. Crop Science.
2688. New Organizational and Operational Strategies for Vocational-Technical Teacher Education - A Seminar Report. Roy D. Dillon. Improving College and University Teaching.
2689. Need to Build From a Broad Vocational Base - New Programs of Adult Education. Roy D. Dillon. Adult Leadership.
- 2690a. Groundwater Quality and Fluctuation in a Shallow Unconfined Aquifer Under a Level Feedlot. L. N. Mielke, J. R. Ellis, N. P. Swanson and T. M. McCalla. Proceedings of Cornell University Agricultural Waste Management Conference.
- 2692a. Broad Basin Terraces for Sloping Cattle Feedlots. N. P. Swanson, J. C. Lorimor and L. N. Mielke. ASAE.
- 2693a. Application of Zeta Potential Techniques for Flocculation of Suspended Colloids in Cattle Feedlot Runoff. Jeffery C. Lorimor, Donald M. Edwards, and Norris P. Swanson. ASAE.
2694. Vitamin D₂ and Cholesterolemia in the Growing Rat. M. H. Jurgens, C. T. Blunn and E. R. Peo, Jr. The Journal of Nutrition.
2695. Fluorometric Assay of Free and Bound, cis- and trans-O-Hydroxycinnamic Acid in a Single Plant Extract. F. A. Haskins and H. J. Gorz. Crop Science.
2696. Enzymes of Haemonchus Contortus. I. Malate Dehydrogenase - Isoelectric Focusing in Sucrose and in Polyacrylamide Gels¹. Marvin B. Rhodes, Donald L. Ferguson and Connell L. Marsh. Experimental Parasitology.
2697. New Media for the Assay of Deuterium Oxide Employing the Falling Drop Method. S. P. Sutton and Richard Dam. Analytical Biochemistry.
2698. Histological Characteristics of Turkey Meat Emulsions. G. W. Froning, John Andersen and C. A. Mebus. Poultry Science.
- 2699a. Concepts and Implications from Sorghum-Weed Competition Studies. O. C. Burnside. WSSA Abstracts.
- 2700a. Seed Treatment to Protect Corn from EPTC Injury. O. C. Burnside. North Central Weed Control Conference Research Report.
- 2701a. The Feasibility of Chemical Fallow in an Alternate Winter Wheat-Fallow Rotation. G. A. Wicks and D. E. Smika. Weed Science Society of America Meeting.

- 2702a. Control of Hemp Dogbane. Laren R. Robison. NCWCC Proceedings.
- 2703a. Control of Woollyleaf Bursage. Laren R. Robison. NCWCC Proceedings.
- 2704a. Leafy Spurge Control. Laren R. Robison. NCWCC Proceedings.
- 2705a. Weed Science for Weed District Superintendents. Laren R. Robison. NCWCC Proceedings.
- 2706a. Weed Control in Seedling Alfalfa. Laren R. Robison and W. J. Moline. NCWCC Proceedings.
- 2707a. The Influence of Annual Weed Competition on Sweet Spanish Onions. D. N. Johnston, G. A. Wicks and D. S. Nuland. NCWCC Proceedings.
- 2708a. Influence of Weed Control Treatments on Nitrogen Content on 2-month-old Corn Foliage. O. C. Burnside, E. R. Peo, Jr. and W. A. Compton. NCWCC Proceedings
- 2709a. Selective Control of Weeds in Corn with Herbicides. O. C. Burnside. NCWCC Research Report.
2710. Split Appointments-Division or Subtraction. Laren R. Robison and C. R. Fenster. Agronomy Journal.
2711. Association of Homoeologous Group 6 Aneuploids with Leaf Necrosis in Hexaploid Wheat Varieties. Rosalind Morris, J. W. Schmidt and V. A. Johnson. Wheat Information Service - Japan.
2712. Advantages of Seed Selection in Wheat Aneuploid Studies. Rosalind Morris, J. W. Schmidt and V. A. Johnson. Euphytica.
2713. Performance of Corwnvetch and Selected Cool Season Grasses on Roadside Backslopes as Affected by Slope Exposure and Nitrogen Fertilization. A. E. Dudeck and J. O. Young. Agronomy Journal.
2714. The Effect of Soil Fumigation on Weed Seeds. O. C. Burnside. NCWCC Research Report.
- 2715a. Freemergence and Postemergence Herbicides for Sorghum. O. C. Burnside. NCWCC Research Report.
- 2716a. Persistence of Atrazine Applied to Sorghum in a Winter Wheat-Sorghum-Fallow Rotation. G. A. Wicks. NCWCC Research Report.
- 2717a. Herbicide Combinations for Selective Weed Control in Sugarbeets in 1969. G. A. Wicks. NCWCC Research Report.
- 2718a. Effect of Soil Incorporation of Triallate and Diallate on Winter Wheat. G. A. Wicks. NCWCC Research Report.
- 2719a. Postemergence Herbicides for Chemical Fallow. G. A. Wicks. NCWCC Research Report.

STATION AND RESEARCH BULLETINS PRINTED

- RB 234 Effects of Gametogenesis and Embryogenesis in the Large Milkweed Bug Oncopeltus Fasciatus (Dallas). Donald E. Lawson and Harold J. Ball.
- MP 22 Projections of Crop Yields Land Resource Regions 1980-2000-2020. Missouri River Basin States.

EXPERIMENT STATION WORKERS CONFERENCE

Registration Form I-99

November 25-26, 1969

NAME _____ ADDRESS _____

CITY _____ ZIP CODE _____ POSITION _____

Conference Fee - - - - - \$ 2.00

_____ Luncheons (November 25, Nebraska Center) @ \$2.50 _____

_____ Dinners (November 25, Legion Club) @ \$3.50 _____

TOTAL - - - - - _____

() Payment enclosed; () Will pay on arrival.

RESERVATION FOR HOUSING:

I desire: () Single Room @ \$9.00+ Tax per night.
() Twin Room @ \$6.00+ Tax each person per night to
be shared with _____.

Twin rate applies only to nights room is occupied by two persons.

I will arrive _____ at about _____ a.m. and
(day) (date) (time)p.m.

will stay _____ nights.

LATE ARRIVALS: To hold reservations after
6:00 p.m., pre-payment of the first night's
lodging is required.

Checks payable to:
UNIVERSITY OF NEBRASKA

Please indicate the number of luncheon and dinner reservations desired and
return this form one week prior to arrival so that we can properly provide
for your needs. Thank you.

Mail to: Conference Department
University of Nebraska
33rd and Holdrege Streets
Lincoln, Nebraska 68503