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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. 2, August 1968

FROM THE DIRECTORS OFFICE

Federal Funds: You may be interested in the status of our Federal funding for fiscal 1969. The Agricultural Appropriations bill as passed by Congress in June provides, for the moment, increases in Federal funds for this fiscal year as follows, as allocated to the Nebraska Station:

Hatch: 3.5%
McIntire Stennis: 2.0%
Regional Research: No word yet.

But, the President must still reduce the total Federal budget to meet the six billion dollar cut requested by Congress. The latest word we have is that the most optimistic view of Hatch funds would give us the same level as our reduced level of last year. Less optimistic predictions mean a reduction in Hatch funds for the Station.

Scottsbluff Field Day: I attended this annual event on August 15. It was very pleasant. Compliments to everyone on the appearance of the plots, the tours, and general evidence of progress in the research program.

Howard W. Ottoson

REGIONAL RESEARCH

The Research and Marketing Act of 1946 provided for funding (RRF) of regional research with up to 25% of the Federal agricultural research funds appropriated for the States. Regional research and interpretation of the law have evolved to utilize a full 25% of the Federal appropriation in this manner. Also, within the complete Federal research appropriation and within the regional funds, 20% must be directed to marketing research.

A regional research structure was developed via four 12 State regions: Northeast (NE), Southern(S), Western(W) and North Central(NC). Alaska was subsequently added to the North Central, Hawaii to the Western, and Puerto Rico to the Southern regions. Within each region and more specifically within our North Central region there are several types of functional research units:

- 31 NC Projects: - RRF funded regional projects (non-marketing)
- 10 NCM Projects: - RRF funded marketing projects
- 1 NCT Committee: - Temporary to consider project need and development
- 20 NCA Committees: - Advisory to analyze research needs of entire disciplines
- 51 NCR Committees: - Scientist group coordinating related research - not funded by RRF
- 2 NCS Committees: - Special Practices (Seed)
- 3 IR and IRM projects - RRF funded interregional research projects

There is much distress with regional research as it has evolved because (1) much of it lacks real "regionality," (2) limited support is spread on too many projects and (3) too much procedural complication. Thus, the Directors, through their Regional and National organizations, are working to increase the research impact and reduce the red tape of the regional program. There will likely be some changes and hopefully some improvement in the years ahead.

(over)

PERSONNEL ACTIONS

M. A. Alexander - Professor of Animal Science - Retired after 37 years.
 A. R. Eckert - Assistant Professor of Agricultural Economics - Retired after 14 years.
 N. Y. Ahmed - Instructor in Agronomy - Resigned.
 L. S. Jeffery - Assistant Professor, Agronomy - (Colombia) - Resigned.
 R. L. Peterson - Research Associate, Agricultural Education - Resigned.
 E. V. Krehbiel - (USDA) Courtesy Appointment as Assistant Professor, Agronomy.
 Dr. Patricia Sailor - Associate Professor, Textiles, Clothing and Design.
 Janet J. Schmeeckle - Extension Assistant in Home Economics. (Northeast Station).
 Dr. Clayton Yeutter - Chief, N. U. Mission in Colombia.

NEW GRANTS, CONTRACTS AND COOPERATIVE AGREEMENTS

Axthelm, D. D. - Ag. Engineering - York Co., Ground Water Cons. Dist.	\$2,450.00
Baker, F. H. - Animal Science - Ak-Sar-Ben	\$1,694.48
Burnside, O., - Agronomy - Shell Chemical Company	500.00
Burnside, O., - Agronomy - Stauffer Chemical Company	500.00
Clanton, D. C. - Animal Science, North Platte - Cargill, Inc.	\$3,500.00
Campbell, J. B. and Raun, E. S. - Entomology - Chemagro Corporation	\$1,500.00
Munson, J. D. - Entomology - Shell Chemical Company	\$2,500.00
Robison, L. R. - Agronomy - Shell Chemical Company	350.00
Schmidt, J. W. - Agronomy - Miscellaneous Donors	590.38

GENERAL NOTES

1. The North Platte Station Field Day - September 17.
2. CERES Club Annual Dinner - October 5.
3. Annual Station Superintendents Meeting - Scottsbluff, October 9.
4. Annual Experiment Station Workers Conference - November 20 and 21.
5. A seminar at the Northeast Station for Station and Area Staff members on staff and program relationships, philosophies and mechanics was held August 20. It seemed highly productive and appreciated and will be repeated by Kleis and Noyes at Scottsbluff, September 16 and North Platte, September 18.
6. During this year a 31-member Panhandle Advisory Committee was established to help guide that component of the Experiment Station and Extension Service programs. It is similar to the Committee that has served the Northeast Station so well and the Deans Advisory Council which serves the total statewide College program. Its second meeting is scheduled for October 10 at the Northeast Agricultural Laboratory.
7. Any building renovation or modification requests are to be cleared through the East Campus Facilities Committee and subsequently through the University Central Planning Committee. The latter will review and act on such requests quarterly as submitted by October 1, December 1, April 1 and July 1.
8. The question of liability insurance for unlicensed vehicles and implements, raised last winter is in the mill. Hopefully, something firm may be resolved this fall.
9. New Budget and Data forms are now available and are to be used for any new grants, contracts or cooperative agreements.

R. W. Kleis

AGRICULTURAL EXPERIMENT STATION PUBLICATIONS - AUGUST 1968

Station and Research Bulletins - None

Journal Articles Approved:

- 2406a. Film: Our Profession--Agronomy. J. R. Boyle, W. H. Amen, and W. L. Colville. Agronomy Abstracts.
2407. Effect of Automobile Exhaust Fume Inhalation by Poultry Immediately Prior to Slaughter on Color of Meat. G. W. Froning, F. B. Mather, J. Daddario and T. E. Hartung. Research Note in Poultry Science Journal.
- 2408a. Mutation Studies Involving Quantitative Traits. C. O. Gardner. Abstracts of the International Symposium "Present State of Mutation Breeding" to be held at Mito, Ibaraki, Japan.
- 2409a. Genetic Changes Resulting from Mass Selection in Irradiated and Control Populations of an Open-pollinated Variety of Corn. C. O. Gardner. Proceedings of the XII International Congress of Genetics, Tokyo, Japan.
2410. Field Management for Dehydration and Hay Production. R. L. Ogden and W. R. Kehr. Tenth Technical Alfalfa Conference Proceedings.
2411. Levels of Calcium and Phosphorus for G-F Swine. G. W. Libal, E. R. Peo, Jr., R. P. Andrews and P. E. Vipperman. Journal of Animal Science.
2412. Preweaning Growth of Cross-Transferred Rats. Cecil T. Blunn. Journal of Animal Science.
2413. Summer Fallow a Must for dryland winter wheat production in Southwestern Nebraska. D. E. Smika. Journal of Soil & Water Conservation.
2414. Simplified Methods for Estimating Constants and Computing Sums of Squares for a Diallel Cross Analysis. C. O. Gardner. Fitotecnia Latinoamericana Journal.
2415. Correlation of Cellular Activity in Weismann's Ring with Molting Cycles in Larvae of Musca autumnalis. R. C. Berberet and P. L. Landers, Annals, Entomological Society of America.
2416. Effect of Repeated Annual Use of Atrazine on Corn. O. C. Burnside, G. A. Wicks and C. R. Fenster. Agronomy Journal.
- 2417a. Analyses for Two Enzyme Proteins in Extracted Embryos and Seedlings of Some Inbred Lines of Corn, Their Hybrids and Two Mutant Populations. N. K. Chatterjee and C. O. Gardner. Agronomy Abstracts.
- 2418a. Diammonium Phosphate and Diammonium Citrate as a Source of Dietary N for G-F Swine. Gene F. Wehrbein, P. E. Vipperman and Ernest R. Peo, Jr., Journal of Animal Science.
2419. Residual Microorganisms in Cleaned in Place Systems for Handling Milk. R. B. Maxcy. Journal of Milk and Food Technology.

2420. Effects of 2,3,5-Triiodobenzoic Acid on the Morphology and Anatomy of Glycine max (L.) Merrill. S. R. Ghorashy, W. L. Colville, and David Ashworth. Crop Science.
- 2421a. Animal Response to High Temperature, Pressure Treated Forages. R. R. Bartling, T. J. Klopfenstein and Walter Woods. Journal of Animal Science.
2422. Conidium Release and Dispersal in Botrytis cinerea Pers. Ex. Fr., J. S. Lawrence and D. S. Meredith. Annals of Phytopathology.
2423. Protein Synthesis During Fungal Spore Germination. James L. Van Etten. Phytopathology.

a - Denotes abstract