Agricultural Experiment Station News June 1969

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One of the evidences of the progress in the Station is the increase in the number, size and flexibility of grants and contracts. This is most gratifying because it not only provides increased research support, but it also reflects confidence of our supporters in the competence and productivity of the scientist recipients. It also reflects the initiative and practicality of staff members in developing cooperation and support. It would seem that grants and contracts will increase still more as supplementary support for Station projects in the future. This will result from efforts of you, the research scientists, and we can only encourage, recognize and implement administrative arrangements.

Some comments on general philosophy concerning grants: (1) In most cases the work outlined under a grant should fall within the objectives of an existing project in which a staff member is involved. As such it complements a long-run program of work which the staff member has already outlined. A $2,000 grant should not divert or direct a $50,000 program of a researcher. Some large grants represent unique programs in their own right, and are negotiated for their potential contribution to Nebraska agriculture or homes. (2) We ordinarily discourage grants of less than $500 as not justifying the time spent in negotiating and paperwork. (3) It should be remembered that only the Board of Regents can execute contractual arrangements for the University. (4) Dr. Kleis handles all matters relating to grants and contracts in this office. He will be glad to work with you on policies and procedures.

H. W. Ottozon

THE SORGHUM PHYSIOLOGY PROGRAM

The sorghum physiology group is now housed in the newly remodeled Kiesselbach Crops Research Laboratory. This excellent facility is greatly appreciated as it provides a much improved base from which to pursue program objectives. Simply stated, problems being considered are (1) how to optimize light interception in sorghum canopies over the range of environments in which sorghum is grown and (2) how to most efficiently utilize the intercepted light energy. This program, under the leadership of Dr. J. D. Eastin, is a fine example of effective interdisciplinary cooperation. Rockefeller Foundation support is substantial in addition to State and Federal funding.

Dr. Clegg works with plant type and stand geometry relative to light interception and utilization. Dr. Maranville's research involves various aspects of nitrogen metabolism with considerable emphasis on protein synthesis. Dr. Sullivan's research is in environmental physiology emphasizing temperature and moisture stress influences on stomatal activity and aspects of photosynthesis in isolated chloroplasts. Dr. Eastin works in environmental physiology considering photoactivity in heads compared to leaves and also the influence of environmental stresses on CO₂ metabolism.

Mr. Richard Koenig works on inheritance of plant characters with emphasis on protein synthesis.
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Journal Articles


STATION AND RESEARCH BULLETINS PRINTED


Mr. Allen Hollister's services involve engineering specialized equipment tailored to the problems generally peculiar to biological research. Several graduate students also work directly in this program. Numerous other individuals cooperate in the program representing the departments of Agricultural Engineering, Agronomy, Botany, Electrical Engineering and Horticulture and Forestry.

PERSONNEL ACTIONS

Raun, E. S. - Associate Director, Extension Service - September 1, 1969
Baragar, A. E. - Associate Professor, Family Econ. & Mgmt. - Retirement
Beinhart, E. G. Professor of Agronomy - Colombia
Elliott, L. F. - Assistant Professor of Agronomy - ARS, U.S.D.A.
Fullerton, T. M. - Assistant Professor of Agronomy - Colombia
Lineback, D. R. - Assistant Professor of Biochemistry & Nutrition - Resignation
Petelle, Roberta - Instructor in Human Development and the Family - Resignation
Schuman, G. E. - Instructor in Agronomy - ARS, U.S.D.A.
Von Bargen K. - Associate Professor of Agricultural Engineering - Returning
Williams, F. D. - Assistant Professor of Agronomy - Scotts Bluff Station

NEW GRANTS, CONTRACTS AND COOPERATIVE AGREEMENTS

Burnside, O. C. - Agronomy - E. I. DuPont & Company $ 750.00
Burnside, O. C. - Agronomy - Stauffer Chemical Company 500.00
Fischbach, P. E. - Agricultural Engineering - Allied Chemical Co. 2,500.00
Gregory, K. E. - USMARC - USDA 250,000.00
Gregory, K. E. - USMARC - USDA 10,000.00
Hagen, A. F. - Entomology - Scotts Bluff Station - Chemagro Corp. 500.00
Kerr, E. D. - Plant Pathology - Scotts Bluff Station - Chemagro Corp. 600.00
Maxcy, R. B. - Food Science & Technology - U. S. DHEW 17,150.00
Munson, J. D. - Entomology - Chemagro Corp. 2,300.00
Munson, J. D. - Entomology - E. I. DuPont & Company 750.00
Munson, J. D. - Entomology - Vero Beach Laboratories Inc. 500.00
Munson, J. D. - Entomology - Niagara Chemical Company 1,000.00
Penas, E. J. - Agronomy - TVA 4,790.00
Raun, E. S. - Entomology - Shell Chemical Company 4,850.00
Robison, L. R. - Agronomy - Ortho Division, Chevron 500.00
Sander, D. - Agronomy - Garst & Thomas 2,500.00
Shahani, K. M. - Food Science & Technology - American Dairy Assoc. 5,000.00
Wittmuss, H. D. - Agricultural Engineering - Salt Valley Watershed 5,000.00

GENERAL NOTES

1. Regional Station personnel are making increasing use of C. Y. Thompson Library materials. This is fine and encouraged, but is causing problems in logistics. Wayne Collings asks that, when practical, people going from the campus to a Station, please check with the Library for materials that they might deliver to, or return from, the Station.

2. Congratulations to Dr. Hazel Fox for receiving the Borden Award for distinguished accomplishment in Nutrition research. This highest award of the American Home Economics Association adds Dr. Fox to a list of distinguished recipients of this annual award started in 1937.

3. The new weed science research facility has been contracted for construction. It will be located directly east of the Paul Stewart Seed Laboratory and will constitute the first stage in the greenhouse and related facilities complex projected in the campus plan.

4. The annual Tractor Power and Safety Day is scheduled for July 24 at the Field Laboratory. Agricultural Engineering as the primary sponsoring unit is developing another good program. This event offers participation and public exposure opportunity for all units programming at the Field Laboratory.

5. When coasting one is either losing momentum or is headed down hill.

R. W. Kleis