Agricultural Experiment Station News May 1969
The dedication of new facilities building at USMARC on June 3 is a high point among one of several events during this spring and summer which emphasize the prominent and developing role of Nebraska in livestock research. Thus, in March we dedicated the new Marvel L. Baker Hall on the East Campus; on May 1 the new Veterinary Science Research building was dedicated at the North Platte Station; on July 1 we will dedicate a new swine research facility at the Northeast Station.

Other developments have been underway in the meantime; new research programs in swine genetics and reproductive physiology have been started in the Department of Animal Science; work has been stepped up greatly on calf scour and other diseases in the Department of Veterinary Science, and a new program on range cattle diseases is well off the ground at North Platte. A program of facility development for livestock research is continuing at the Field Laboratory. Livestock research programs at the Scotts Bluff Station and the North Platte Station have been adjusted significantly.

The dedication at USMARC dramatizes the fact the historic tradition of State-Federal cooperation in livestock research in the Nebraska Station is to be materially strengthened; national attention will be focused on Nebraska as focal point of livestock research. Our important livestock industry has contributed much to this development, and will in turn benefit greatly from it.

We recognize that facilities and support do not automatically produce research results; however, our start is impressive. We have every confidence that forthcoming scientific achievement will justify these inputs.

SCOTTS BLUFF STATION

Sugarbeets seeded in late March according to the plow-plant system emerged April 10 and survived 21-degree temperatures April 27. Rough, cloddy condition of the soil served as wind break and saved many of the small plants. Plow-plant, bedding, and till-plant tillage systems are being compared for corn production in an effort to reduce production costs. Red Lane and John C. Ferguson, Agricultural Engineer from North Carolina State College, planted a few corn plots in sod to test the merits of this system under irrigation. Hollis Shull is measuring the exact use of water by alfalfa plants every hour of the day with his lysimeters.

Jason Webster and Bill Mundt wet their feet recently in some of the first irrigation water pumped at the Northwest Agricultural Laboratory. The first sugarbeets ever planted at the Northwest Agricultural Laboratory emerged April 20, survived cold weather in late April, and were ready to thin the middle of May. Frank Anderson and Dr. Eric Kerr will study sugarbeet fertility and disease problems under gravity and solid set sprinkler irrigation systems. Dave Nuland and Jerry Miyoshi’s carrots will not suffer from anything which man can control. Ralph Reed’s pine trees from many locations across the U. S. like the environment at the Northwest Agricultural Laboratory.

Charlie Fenster’s wheat grows vigorously at the High Plains Agricultural Laboratory despite drought, worms and weeds. Art Hagen is testing new insecticides to control the pale western cutworm. Louie Daigger’s fertilizer test will show how fertility influences yield and protein of wheat. Dryland crop rotations of wheat, oats, sorghum millet and fallow, and field beans and millet are being started to learn how to use...
moisture more efficiently in dryland cropping systems. Plots to determine runoff and erosion under different tillage systems on a 4% slope on a Keith soil will be established at the High Plains Agricultural Laboratory in cooperation with R. H. Mickelson, Agricultural Engineer with ARS at Akron, Colorado.

Lionel Harris

PERSONNEL ACTIONS

Axthelm, L. S. - Instructor in Agricultural Engineering, Scotts Bluff Station - Resignation
Hibbs, C. M. - Assoc. Professor of Veterinary Science, North Platte Station
Lawson, D. E. - Instructor in Entomology - Resignation
Timmons, Jack - Instructor in Agricultural Economics - Resignation

NEW GRANTS, CONTRACTS AND COOPERATIVE AGREEMENTS

Baker, M. E. - Agricultural Economics - N. Dakota, S. Dakota, Wyoming Colorado, Kansas, Texas, and New Mexico Agriculture Experiment Stations $5,100.00
Burnside, O. C. - Agronomy - Monsanto Company 500.00
Fenster, C. R. - Scots Bluff Station - Monsanto Company 500.00
Fenster, C. R. - Scots Bluff Station - Dow Chemical Company 2,700.00
Fenster, C. R. - Scots Bluff Station - Chevron Chemical Company 1,500.00
Fritschen, R. D. - Northeast Station - Northeast Nebraska Exp. Farm 17,264.70 Association
Frone, G. W. - Poultry Science - National Turkey Federation 1,000.00
Marsh, C. L. - Veterinary Science - National Science Foundation 14,700.00
Moline, W. J. - Agronomy - Miscellaneous Donors 800.00
Monson, J. D. - Entomology - Union Carbide Corporation 500.00
Monson, J. D. - Entomology - Stauffer Chemical Company 1,000.00
Monson, J. D. - Entomology - Mobil Chemical Company 500.00
Raun, E. S. - Entomology - Chevron Chemical Company 3,500.00
Van Etten, J. E. - Plant Pathology - U. S. Public Health Service 9,354.00
Wicks, G. A. - North Platte Station - Geigy Agricultural Chemical Company 500.00
Wicks, G. A. - North Platte Station - Chevron Chemical Company 1,500.00
Wicks, G. A. - North Platte Station - Monsanto Company 500.00
Wittmuss, H. D. - Agricultural Engineering - Fleischer Manufacturing Inc., 2,000.00
Woods, W. R. - Animal Science - Corn Products Company 5,000.00

GENERAL NOTES

1. The new child development laboratory under construction immediately north of the Student Activities Building has been designated by the Board of Regents as the "Ruth Staples Laboratory".

2. Special events for the next month include:
   June 3 - U. S. Meat Animal Research Center dedication - Clay Center
   June 8 - Earl Maxwell Arboretum dedication - East Campus
   June 17 - Panhandle Advisory Committee meeting - Sidney
   June 20 - Panhandle Field Day - High Plains Agricultural Laboratory
   July 1 - New swine research complex open house - Northeast Station

3. Congratulations to four newly elected members of the Graduate Faculty:
   William A. Compton, Associate Professor of Agronomy
   Roger W. Mandigo, Assistant Professor of Animal Science
   Thomas L. Thompson, Associate Professor of Agricultural Engineering
   Howard D. Wittmuss, Associate Professor of Agricultural Engineering

4. Complaint blank - describe complaint in detail in the (Please write legibly)

R. W. Kleis
Journal Articles


"a" denotes abstract