

ANNUAL REPORT, 1967

FINANCIAL STATEMENT

North Dakota Agricultural Experiment Station
July 1, 1966 to June 30, 1967

Receipts and Expenditures Under the Hatch Act as Amended
and the Cooperative Forestry Research Act

FEDERAL FUNDS

Receipts	Hatch Act Amended	Regional Research Funds	Cooperative Forestry Research Act
Balance from 1966			\$ 641.27
Receipts from the Treasury of the U.S.	\$521,275.00	\$166,807.00	14,282.00
Total	521,275.00	166,807.00	14,923.27
Expenditures			
Personal services	474,173.24	128,862.07	11,203.93
Travel	4,277.30	6,238.39	84.43
Supplies and materials	4,446.44	10,574.05	1,019.99
Equipment	5,920.17	12,280.66	350.00
Personnel benefits	31,704.87	6,360.71	473.40
All other	752.98	2,491.12	33.79
Unexpended balance to be carried forward			1,757.73
Total	\$521,275.00	\$166,807.00	\$14,923.27

ANNUAL REPORT SUPPLEMENTARY STATEMENT JULY 1, 1966 TO JUNE 30, 1967

NON-FEDERAL FUNDS

Funds Available	For Agricultural Investigations
State appropriations or allotments:	
Main Station	\$1,254,166.99
Branch Stations	277,187.38
Special endowments, fellowships and grants	79,869.09
Fees	12,403.53
Sales:	
Branch Station sales, Institutional Collections	617,736.40
Balance brought forward from previous year (all sources)	917,667.15
Total	\$3,159,030.54
Expenditures	
Personal services	1,192,572.33
Travel	38,563.51
Supplies and materials	360,147.13
Equipment	175,080.44
Lands and structures	341,573.59
Personnel benefits	89,037.28
All other	267,478.79
Unexpended balance, June 30, 1967	694,577.47
Total	\$3,159,030.54

**ANNUAL REPORT
SUPPLEMENTARY STATEMENT**

July 1, 1966 to June 30, 1967

FEDERAL FUNDS OTHER THAN U. S. DEPARTMENT OF AGRICULTURE

Funds Available	
National Institutes of Health	\$ 22,275.69
National Science Foundation	21,667.84
U. S. Department of Interior	798.25
Total	\$ 44,741.78
Expenditures	
Personal services	
Travel	20,534.18
Supplies and materials	2,801.35
Equipment	8,241.63
All other	2,790.97
Total	\$ 44,741.78

**STAFF OF THE AGRICULTURAL EXPERIMENT STATION OF
THE NORTH DAKOTA STATE UNIVERSITY
OF AGRICULTURE AND APPLIED SCIENCE**

(as of January 1, 1968)

Herbert R. Albrecht, Ph.D. — President

STATE BOARD OF HIGHER EDUCATION: Mr. Henry P. Sullivan, Mohall, President; Mr. Albert Haas, New Rockford; Mr. George Sinner, Casselton; Mrs. Elvira Jestrab, Williston; Mr. Allen H. Hausauer, Wahpeton; Mr. Fred R. Orth, Grand Forks; Mr. John G. Conrad, Bismarck; Dr. Kenneth E. Raschke, Commissioner; Mr. Lloyd H. Nygaard, Assistant Commissioner; Dr. Richard Davison, Director of Research.

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AGRICULTURAL INFORMATION: (Cooperative Extension Service), Robert A. Jarnagin, Ph.D., Professor⁶; James

A. Berg, B.S., Assistant Professor⁶; (Mrs.) Dorothea McCullough, M.S., Assistant Professor⁶; James A. Kenward, M.S., Assistant Professor⁶; Courtney R. Rotzien, Assistant Agricultural Editor⁶.

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ANIMAL SCIENCE: M. L. Buchanan, M.S., Professor⁶; W. E. Dinusson, Ph.D., Professor⁶; Christen Jensen, Ph.D., Professor⁶; Charles G. M. Edgerly, M.S., Associate Professor⁶; Duane O. Erickson, Ph.D., Associate Professor⁶; V. K. Johnson, Ph.D., Associate Professor⁶; Merle R. Light, M.S., Associate Professor⁶; Jerry L. Sell, Ph.D., Associate Professor⁶; Lyle D. Beck, M.S., Assistant Professor⁶; Clayton N. Hauge, M.S., Assistant Professor⁶; John N. Johnson, M.S., Assistant Professor⁶; Richard D. Knutson, M.S., Assistant Professor⁶; Martin J. Marchello, M.S., Assistant Professor⁶; Ronald J. Rose, Ph. D., Assistant Professor⁶; James E. Tilton, Ph.D., Assistant Professor⁶; Paul T. Berg, B.S., Assistant in Animal Science¹²; Russell Danielson, B.S., Instructor⁶; Timothy C. Faller, B.S., Instructor⁶; David T. Jensen, B.S., Instructor⁶; (Mrs.) Phyllis O. Torgerson, Laboratory Technician¹²; Leonard G. Eisinger, Dairy Herdsman³; E. J. Thacker, Ph.D., Professor, USDA⁶; Peter W. Aschbacher, Ph.D., Associate Professor, USDA⁶.

BACTERIOLOGY: Jesse L. Parsons, Ph.D., Professor⁶; Bayard P. Sleeper, Ph.D., Professor⁷; John A. Doubly, M.S., Assistant Professor³; Robert S. Fulghum, Ph.D., Assistant Professor⁴; Berdell R. Funke, Ph.D., Assistant Professor⁴; Marie A. Petermann, M.S., Assistant Professor¹²; Melvin H. Johnson, Sr., Laboratory Technician³.

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ENTOMOLOGY: James R. Dogger, Ph.D., Professor⁶; R. L. Post, Ph.D., Professor⁷; Gregory B. Mulkern, Ph.D., Associate Professor⁷; Mohammed Sayeed Quraishi, Ph.D., Associate Professor¹¹; John T. Schulz, Ph.D., Associate Professor⁷; Robert B. Carlson, Ph.D., Assistant Professor¹⁰; Richard D. Frye, M.S., Assistant Professor⁷; John E. Lundquist, B.S., Technician¹²; Raymond C. Bushland, Professor, USDA⁹; Waldemar Klassen, Ph.D., Professor, USDA⁹; Edwin P. Marks, Ph.D., Associate Professor, USDA⁹; Benjamin J. Cook, Ph.D., Assistant Professor, USDA⁹; Leo E. LaChance, Ph.D., Professor, USDA⁹; Dale E. Wagoner, Ph.D., Assistant Professor, USDA⁹.

HORTICULTURE AND FORESTRY: E. P. Lana, Ph.D., Professor⁶; Robert H. Johansen, Ph.D., Professor¹²; Donald G. Hoag, B.S., Associate Professor⁶; Neal S. Holland, M.S., Associate Professor⁶; Donald C. Nelson, Ph.D., Associate Professor⁶; Earl W. Scholz, Ph.D., Assistant Professor⁶; Carol J. DeBoer, A.B., Research Chemist¹²; Udo G. Keller, Technician¹²; Herman Peipkorn, Technician¹²; Myron C. Thoreson, Technician¹².

PLANT PATHOLOGY: Richard L. Kiesling, Ph.D., Professor²; Vernyl D. Pederson, Ph.D., Associate Professor¹¹; Robert M. Hosford, Ph.D., Assistant Professor¹¹; Joseph E. Huguelet, Ph.D., Assistant Professor¹¹; Larry J. Littlefield, Ph.D., Assistant Professor¹¹; Sven E. Wihrrheim, Ph.D., Assistant Professor¹¹; Raymond B. Olek, Technician¹²; B. P. Schweitzer, Technician¹²; H. H. Flor, Ph.D., Professor, USDA⁹; Roland Timian, Ph.D., Associate Professor, USDA⁹.

SOILS: Enoch B. Norum, Ph.D., Professor⁶; Gordon A. Johnsgard, Ph.D., Professor⁶; Joseph C. Zubriski, Ph.D., Professor⁶; Armand Bauer, Ph.D., Associate Professor⁷; John T. Moraghan, Ph.D., Associate Professor⁸; Hollis W. Omodt, M.S., Associate Professor¹²; Donald Patterson, M.S., Assistant Professor¹²; Fred W. Schroer, M.S., Assistant Professor¹²; Michael D. Sweeney, M.S., Assistant Professor¹²; Dennis M. Heil, B.S., Assistant in Soil Survey¹²; Larry J. Swenson, B.S., Assistant in Soils¹²; Paul J. Tiedeman, Technician¹²; Arlin Snider, B.A., State Climatologist, ESSA⁹; James Power, Ph.D., Associate Professor, USDA⁹; Wayne O. Willis, Ph.D., Associate Professor, USDA⁹.

VETERINARY SCIENCE: Myron F. Andrews, D.V.M., Professor⁶; F. M. Bolin, D.V.M., Professor¹¹; I. A. Schipper,

D.V.M., Associate Professor⁶; George Emmett Staples, D.V.M., Associate Professor¹¹; Robert W. Barnes, D.V.M., Assistant Professor¹²; Ivan Enger Berg, D.V.M., Assistant Professor¹¹; Patric K. McIlwain, M.S., Assistant Professor¹²; Donald Charles Graves, B.S., Laboratory Technician¹²; (Mrs.) Mieke Jane Oishi, M.S., Laboratory Technician¹²; (Mrs.) Evelyn L. Malheim, Laboratory Assistant¹²; (Mrs.) Rose M. Parsons, B.S., Technical Assistant¹²; Sharon Reinmuth, Technician¹².

BRANCH STATIONS

CARRINGTON IRRIGATION: Howard M. Olson, M.S., Superintendent¹²; Robert E. Nowatzki, B.S., Assistant Agronomist¹²; Leander O. Walen, Technician¹².

DICKINSON: Raymond J. Douglas, M.S., Superintendent¹²; Thomas J. Conlon, M.S., Associate Agronomist¹²; Lloyd Hardy, B.S., Assistant Animal Husbandman¹².

EDGELEY: Miles C. White, B.S., Superintendent¹².

HETTINGER: C. LeRoy Johnson, M.S., Superintendent¹².

LANGDON: Victor Sturlaugson, Superintendent¹².

MINOT (NORTH CENTRAL): G. N. Geiszler, M.S., Superintendent¹²; Ben K. Hoag, M.S., Assistant Agronomist¹².

WILLISTON: Ernest W. French, M.S., Superintendent¹²; Albert A. Schneiter, M.S., Assistant Agronomist¹².

AGRONOMY SEED FARM: Mark L. Jendro, Superintendent¹².

The small superscript figure after each title indicates the number of months per calendar year of the salary paid by the Agricultural Experiment Station. The superscript zero indicates that the entire salary is paid by some state or federal agency, usually the United States Department of Agriculture.

STAFF CHANGES

(to January 1, 1968)

ADDITIONS TO STAFF

Edward V. Dunn, B.S. Assistant Professor	September 1, 1967
Roger G. Johnson, Ph.D. Associate Professor	December 1, 1967
Gary Dean Lynne, B.S. Assistant in Agricultural Economics	October 1, 1967
Robert James Schaefer Technician	June 1, 1967
Allyn R. Bell, M.S. Instructor	July 1, 1967
Robert H. Busch, M.S. Assistant Professor	March 27, 1967
Timothy C. Faller, B.S. Instructor	December 1, 1967
David T. Jensen, B.S. Instructor	October 1, 1967
Merril R. Knodle Technician	December 1, 1967
Lyle C. Lindberg Technician	August 1, 1967

Martin J. Marchello, M.S. Assistant Professor	January 1, 1968
Ronald J. Rose, M.S. Assistant Professor	February 27, 1967
(Mrs.) Phyllis O. Torgerson Laboratory Technician	July 1, 1967
Marie A. Petermann, M.S. Assistant Professor	October 1, 1967
Robert E. Hoagland, B.S. Research Assistant	September 1, 1967
Charles Rosenbaum Technician	September 1, 1967
Myron H. Boeder Technician	September 1, 1967
William Rumpca Laboratory Technician	March 13, 1967
John E. Lundquist, B.S. Technician	July 1, 1967
Myron C. Thoreson Technician	September 15, 1967
Robert M. Hosford, Ph.D. Assistant Professor	July 17, 1967
Raymond V. Olek Technician	July 1, 1967
Vernyl D. Pederson, Ph.D. Associate Professor	September 1, 1967
Sven E. Wihrrheim, Ph.D. Assistant Professor	July 1, 1967
Larry J. Swenson, B.S. Assistant in Soils	December 1, 1967
Sharon Reinmuth Technician	July 1, 1967

BRANCH STATIONS

Robert E. Nowatzki, B.S. Assistant Agronomist	July 1, 1967
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DELETIONS (TO JANUARY 1, 1968)

Ronald Bergan, M.S. Assistant in Agricultural Economics	April 30, 1967
Rueben Engelking Statistical Clerk	Retired June 30, 1967
D. W. Bolin, M.S. Associate Professor	Retired June 30, 1967
Mrs. Virginia Erickson, B.S. Technician	April 15, 1967
Clinton D. Kopp, B.S. Instructor	May 1, 1967
Roger B. Meintzer, Ph.D. Assistant Professor	July 1, 1967
Richard H. Smith, B.S. Assistant in Biochemistry	August 31, 1967
Jack E. Gross, Ph.D. Assistant Professor	December 15, 1967
Douglas Classon Experimental Miller	January 14, 1967
Merry A. McGuire, B.A. Laboratory Technician	March 1, 1967
Darrell Medcalf, Ph.D. Assistant Professor	September 1, 1967
Harold Hickel, B.S. Technician	June 16, 1967
Evan H. Pepper, Ph.D. Assistant Professor	August 31, 1967
Edfred Vasey, Ph.D. Assistant Professor	June 30, 1967
G. E. Wilkinson, Ph.D. Associate Professor	February 20, 1967

BRANCH STATIONS

Curtis A. Hemstad, B.S. Assistant Agronomist	March 31, 1967
Charles Paul McCay, M.S. Acting Superintendent, Hettinger Branch Station	September 4, 1967

GIFTS AND GRANTS

Numerous grants of money and gifts of equipment, supplies and other services are provided the North Dakota Agricultural Experiment Station each year in support of its research programs. The station expresses its sincere thanks to the following for the support provided during the year 1967.

Malting Barley Improvement Association; North Dakota Wheat Commission; North Dakota Power Use Council; Diamond Alkali Company; Velsicol Chemical Corporation; Chemagro Corporation; Shell Chemical Corporation; American Potash Institute; National Macaroni Manufacturing Association; Monsanto Chemical Company; Agsco, Inc.; Dow Chemical Company; Geigy Chemical Company; Red River Valley Potato Growers Association; Chas. Pfizer Company; North Dakota Legislative Research Committee; North Dakota Crop Improvement Association; North Dakota State Seed Department; Rohm and Haas; Rogers Bros. Seed Company; Northrup King; Pennsalt Chemicals Corporation; L. E. Tibert Potato Company; Merck and

Company; Uniroyal, Inc.; Upjohn Company; Standard Brands, Incorporated; E. I. DuPont de Nemours and Company; Stauffer Chemical Company; Union Carbide Corporation; North Dakota Outdoor Recreation Agency; Niagara Chemical Company; North Dakota Economic Development Commission; State Game and Fish Department; South Dakota School of Mines; American Cyanamid Company; Leo L. Anderson; Cargill, Inc.; National Malting Barley Growers Association; North Dakota Beef Cattle Improvement Association; Harold Schafer; Frito-Lay, Inc.; Dalgren and Company; Ralston Purina; Fargo Foundry; Kennecott Copper Corporation; Tennessee Copper Corporation; Hilltop Orchards; T. Sakata Seed Company; Orrin Striech Company; Thomas Gardens; Concrete Sectional Culvert Company; Marvel Schebler Corporation; Southwest Potash Corporation; California Chemical; E. S. Saugstad; Dr. and Mrs. George C. Wheeler; World Health Organization; Northland Research; O. M. Franklin Serum Company; Peter J. Schweitzer Div., Elanco Products Company; and G. D. Searle and Company.