

**UNIVERSITY OF VERMONT AND STATE  
AGRICULTURAL COLLEGE. THIRTEENTH  
ANNUAL REPORT OF  
THE VERMONT. AGRICULTURAL  
EXPERIMENT STATION. BURLINGTON,  
VT. 1899-1900, PP. 252-502**

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**VERMONT AGRICULTURAL EXPERIMENT STATION**

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THE WILLIAMS SCIENCE HALL.

The Botanical and Entomological Laboratories of the Experiment Station are located in this building.

UNIVERSITY OF VERMONT  
AND STATE AGRICULTURAL COLLEGE

126056  
THIRTEENTH

# ANNUAL REPORT

OF THE

VERMONT AGRICULTURAL

# EXPERIMENT STATION

BURLINGTON, VT.

1899-1900



BURLINGTON, VT. :  
FREE PRESS ASSOCIATION.  
1901.

THE VERMONT  
Agricultural Experiment Station

BURLINGTON, VT.

BOARD OF CONTROL

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L. R. JONES, Botanist.  
F. A. WAUGH, Horticulturist.  
F. A. RICH, Veterinarian.  
CASSIUS PECK, Farm Superintendent.  
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MARY A. BENSON, Stenographer.  
E. H. POWELL, Treasurer.

## ANNOUNCEMENT.

The Vermont State Agricultural Experiment Station was established in accordance with an act of the General Assembly, approved November 24 1886, for the purpose of promoting agriculture by scientific investigation and experiment. The station was established in connection with the University of Vermont and State Agricultural College, and for the past twelve years has received the funds appropriated by congress under the provisions of the act commonly known as the "Hatch Act," approved March 2, 1887. The state appropriation expired in 1890. An appropriation "not to exceed \$1000 annually" was made by the legislature of 1898 for the purpose of printing the annual report.

The station is prepared to analyze and test fertilizers, cattle foods, seeds, milk, and other agricultural materials and products—exclusive of water—to identify grasses, weeds, blights, etc., and insects, and to give information on various subjects of agricultural science for the use and advantage of the citizens of Vermont.

All chemical analyses, etc., proper to an experiment station, that can be used for the public benefit, are made without charge, so far as time and means permit. The station will undertake no work the results of which are not at its disposal to use or publish if deemed advisable for the public good. The results of each analysis will be promptly communicated to the party sending the sample. Those that are of general interest are published in the annual report or in the bulletins.

It is the wish of the Board of Control to make the station as widely useful as its resources will admit. Every Vermont citizen who is concerned in agriculture, whether farmer, manufacturer or dealer, has the right to apply to the station for any assistance that comes within its province to render, and the station will respond so far as it lies in its power. All communications, relating to agriculture, horticulture, plant or animal diseases, insects, etc., will be fairly considered, and, so far as possible, promptly answered.

The station farm and buildings are on the Williston road, adjoining the university grounds on the east. Electric cars pass within a third of a mile of the station building, at Colchester Avenue and University Place. Both the station and the farm have telephone connections.

Instructions for taking samples of fertilizers, fodders, milk, seeds, etc., will be sent on application. Parties desiring to send samples should first write for these directions. Many samples received are useless, being incorrectly drawn. Parcels by express, to receive attention, should be prepaid and should bear the address of the shipper for purposes of identification.

Copies of the reports and bulletins of the station are sent free of charge to any address upon application.

Address all communications, not to individual officers, but to the  
EXPERIMENT STATION, BURLINGTON, Vt.



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**FINANCIAL REPORT FOR THE FISCAL YEAR ENDING JUNE  
30, 1900**

Vermont Agricultural Experiment Station, in account with the United States Appropriation, 1899-1900.

DR.

To receipts from the Treasurer of the United States as per appropriation for fiscal year ending June 30, 1900, as per act of Congress approved March 2, 1887 .....\$15,000 00

CR.

<i>Abstract</i>	
By Salaries .....	1.....\$6,588 79
" Labor .....	2..... 2,803 93
" Publications .....	3..... 950 54
" Postage and stationery.....	4..... 518 47
" Freight and express.....	5..... 76 83
" Heat, light and water.....	6..... 328 52
" Chemical supplies.....	7..... 294 03
" Seeds, plants and sundry supplies.....	8..... 121 57
" Fertilizers.....	9..... 106 48
" Feeding stuffs.....	10..... 973 46
" Library.....	11..... 250 22
" Tools, implements and machinery.....	12..... 187 03
" Furniture and fixtures.....	13..... 115 02
" Scientific apparatus.....	14..... 340 67
" Live stock.....	15..... 45 00
" Traveling expenses.....	16..... 574 20
" Contingent expenses.....	17..... 47 60
" Building and repairs.....	18..... 677 64
	—————\$15,000 00

We, the undersigned, duly appointed auditors of the corporation, do hereby certify that we have examined the books and accounts of the Vermont Agricultural Experiment Station for the fiscal year ending June 30, 1900, that we have found the same well kept and classified as above, and that the receipts for the year from the treasurer of the United States are shown to have been \$15,000, and the corresponding disbursements \$15,000, for all of which proper vouchers are on file and have been by us examined and found correct.

And we further certify that the expenditures have been solely for the purposes set forth in the act of Congress approved March 2, 1887.

Signed,

{ SEAL }

MATTHEW H. BUCKHAM,  
CASSIUS PECK,  
GARDNER S. FASSETT, } Auditors.

ATTEST,

E. HENRY POWELL,  
Custodian.