

# MAINE STATE LEGISLATURE

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PUBLIC DOCUMENTS

OF THE

STATE OF MAINE

BEING THE

REPORTS

OF THE VARIOUS

PUBLIC OFFICERS, DEPARTMENTS  
AND INSTITUTIONS

FOR THE YEAR 1915

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VOLUME 4

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## ANNUAL REPORT

of the

# UNIVERSITY OF MAINE

For the Year Ended June 30, 1915



Printed for the University

WATERVILLE SENTINEL PUBLISHING COMPANY

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1915

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## REPORT OF THE PRESIDENT OF THE BOARD OF TRUSTEES

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*To the Honorable Governor and Council of the State of Maine:—*

I have the honor on behalf of the Board of Trustees of the University of Maine to report that another year of prosperity at the University has closed.

An increased number of students shows the continued interest of our people in the useful courses of instruction given at this institution. Through the generous appropriations of the last Legislature, we shall be enabled to complete the new women's dormitory and to erect a new barn at the farm. A new boiler has been added to the heating plant and many other needed repairs have been made. The reports of the President and Treasurer of the institution will show in detail the progress made and the financial standing of the University to which your attention is respectfully directed.

Respectfully submitted,

S. W. GOULD,

*President of the Board of Trustees*

## REPORT OF THE PRESIDENT OF THE UNIVERSITY

*To the Board of Trustees of the University:—*

I submit the following report for the year 1914-15:

The past year has been a prosperous one. The total enrollment reached 1,129. This number does not include those in attendance at the short winter courses. There were 934 regular candidates for degrees. This is an increase of 86 over the preceding year. At the Commencement in June, 162 degrees were awarded. The attendance from the State is well distributed, all counties being represented. The total from within the State is 906, or a little more than 80% of the entire registration.

At the opening of the college year, 334 regular freshmen were admitted. Of these, 75% were admitted without any conditions. More than 14 units for entrance were presented by 92% of them. During the year, it was found necessary to drop 18 members of the freshman class because of their failure to do the proper grade of work. It is gratifying to note that the freshman grades for the year show considerable improvement over the grades for the preceding year.

Our plan of admission from "Class A" schools of Maine by the school record has been in operation long enough to justify itself. The fact that most schools maintain two standards, one for those who expect to go to college upon certificate and the other for those who do not, presents a difficulty in the administration of this plan of admission. The University believes that there should be one standard maintained and that all high school pupils should be required to meet this standard. This seems to be right because those who complete their school education in the high school certainly need the discipline that comes from good standards as much as those who go to college.

The College of Arts and Sciences is the foundation college of the University. In this college all the students of the University receive their instruction in English, the languages, mathematics, biology, philosophy, physics, history, economics, and education. Besides doing this foundation work for all the students, the college maintains strong courses leading to the B. A. degree. It is gratifying that it is growing rapidly. All students in this college are required to maintain a grade of "C" or better in three-fourths of their work. This requirement is having a wholesome effect upon student habits. The Department of Education, in connection with the State Superintendent and representatives of other colleges of Maine, has carried on extension courses in several localities. The Department of English has organized a School Discussion League which is doing good work. The courses in journalism are developing along important and useful lines. A very successful newspaper institute was held at the University in May.

The College of Agriculture shows a growth over last year. A very marked increase of interest in the Department of Home Economics is seen. Important progress has been made in developing the work in floriculture and landscape gardening. Hereafter the requirements for admission to the College of Agriculture will include two units in any foreign language instead of two units of a modern language only as heretofore. Another important change is that hereafter all students who expect to graduate in Agriculture will be required to have practical farm experience. This will be measured in terms of proficiency rather than in terms of time. The State Forest Nursery, under the direction of the Department of Forestry, is being rapidly developed. In the spring of 1916 a large supply of forest tree seedlings will be available for distribution.

Extension work in the College of Agriculture is growing rapidly. The Smith-Lever Act, which has been accepted by the State, enables the University to extend this work. The annual increase in appropriation given by the General Education Board also helps in meeting urgent needs. The Extension Service during the past year has included farm demonstration work in nine counties, poultry demonstration in all the counties, 28 extension schools held in 10 counties, more than 500 lectures and demonstrations, correspondence courses, advice by mail, and exhibitions at fairs and conventions.

The completion of Aubert Hall has made it possible for the various departments of the College of Technology to have better accommodations than heretofore. The new building has particularly benefited the Department of Chemistry, making possible considerable development of the courses in pulp and paper making. These courses have attracted very favorable attention in all parts of the country, particularly from the paper and pulp manufacturers. The cooperation of the College of Technology with the State Highway Commission is going steadily forward with the prospect that much excellent service will be rendered to the State. The Department of Electrical Engineering has installed a first class wireless telegraph station. This station is a valuable asset in the teaching of wireless telegraphy. The Department of Pharmacy has shown a healthy growth and has increased and strengthened its curriculum.

The College of Technology has entered two new fields of service. Considerable work has been done during the past year in conducting extension courses in various scientific subjects. This work will be extended and further developed during the coming year. At the June meeting of the Board, plans were approved for the organization of an Engineering Experiment Station. It will be the purpose of this station to carry on investigations of value to the people of the State and to distribute scientific knowledge in usable form.

The College of Law has had a successful year. Of the 94 students in attendance, 70 were from the State of Maine, the others coming from Massachusetts, New Hampshire, Vermont, New York, Connecticut, Rhode Island, Virginia, Canada, and Turkey. All the counties of

Maine were represented. There were in attendance nine college graduates and 19 other students who had had one or more years of college training. I believe that we should immediately make plans to require at least two years of college work as a pre-requisite for entrance to the College of Law. Beginning with the opening of College in 1915, the calendar of the College of Law will coincide in every particular with the calendar of the other colleges of the University. This is a most desirable change.

The Agricultural Experiment Station is carrying on extensive experiments at the University and at Highmoor and Aroostook Farms. Since January 1, 1914, the station has been relieved from the duty of enforcing the pure food laws. This is greatly appreciated. It has enabled the station to devote all its energies to scientific work.

Because of our financial condition, but little money was available for the University Library. There were added, however, a total of 2,524 volumes. Of these, 1,240 were acquired by purchase, 345 by binding, and 929 by gift. The total number of volumes in the Library at present is 56,673. It is gratifying to note that the use of the Library is increasing. More than 11,000 volumes were taken out by readers. The increase in the use of reserved books at the reading tables of the Library has been very marked. There is urgent need of liberal appropriations for books, if the Library is to continue to develop as it should.

The Legislature of 1915 made an annual appropriation for maintenance of \$122,500. It also appropriated \$40,000 for the completion of Balentine Hall and \$25,000 for the construction of new dairy barns. These appropriations became effective July 3. It is hoped that considerable progress upon the construction of the buildings will be made during the fall months.

The Legislature very wisely fixed the tuition at \$100 for all students coming from without the State. In harmony with this law the Board of Trustees have ordered that out-of-State students shall pay annually a registration fee of \$10, an incidental fee of \$20, and a tuition fee of \$100, making the total charge \$130. It is hoped and believed that the change in tuition will not materially decrease the number of out-of-State students.

If the University is to continue in the development of lines of service for the State and keep its academic work at a high standard, it will be necessary to enlarge to a considerable degree the yearly budget. There are a number of lines of service and activity in which the University should enter now if money were available. I mention only a few of these: the rapid development of newspaper work, the extension of courses in hydraulic engineering, the establishment of departments of Geology, Music, and Commerce, the state wide investigation of farm economics, and the immediate development of a strong Engineering Experiment Station.

Respectfully submitted,

ROBERT J. ALEY,

*President of the University of Maine.*



## REPORT OF THE TREASURER

*University of Maine*

FOR THE FISCAL YEAR ENDED JUNE 30, 1915

*To the Board of Trustees of the University:—*

I submit herewith the report for the year ended June 30, 1915:

## ASSETS

*Trust Fund Investments:*

Coburn Trust Fund	Schedule A	\$100,000 00	
U. S. Land Scrip Fund	Schedule A	118,300 00	
Levi M. Stewart Fund	Schedule A	20,000 00	
David D. Stewart Fund	Schedule A	13,750 00	
Nehemiah Kittredge Loan Fund	Schedule B	1,516 52	
Kidder Scholarship Fund	Schedule B	750 00	\$254,316 52
<hr/>			
Lands and Buildings	Schedule C		648,131 63
Inventories	Schedule D		250,250 08
Accounts Receivable	Schedule E		25,645 14
Appropriation, State of Maine	Schedule F		6,250 00
Bills Receivable	Schedule G		2,000 10
Cash on hand, June 30, 1915	Schedule H		1,876 89
<hr/>			
			\$1,188,470 36
<hr/>			

## LIABILITIES

*Trust Funds:*

Coburn Trust Fund		\$100,000 00	
U. S. Land Scrip Trust Fund		118,300 00	
Levi M. Stewart Trust Fund		20,000 00	
David D. Stewart Trust Fund		13,750 00	
Nehemiah Kittredge Loan Fund		1,516 52	
Kidder Scholarship Fund		750 00	\$254,316 52
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Bills Payable	Schedule I		34,000 00
Accounts Payable	Schedule J		74,841 86
Surplus			825,311 95
<hr/>			
			\$1,188,470 36
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## SCHEDULE A—ASSETS

*Coburn Trust Fund Investment:*

This represents a legacy of \$100,000.00 received by the University under the will of Hon. Abner Coburn, late of Skowhegan, Maine. It is invested in Registered Bonds of the State of Maine, dated Feb. 5, 1889, due July 1, 1917, bearing interest at 4% per annum, of the par value of.....  
 ..... \$100,000 00

*United States Land Scrip Trust Fund Investment:*

Under the provisions of An Act of the Congress of the United States, approved July 2, 1862, the State of Maine received two hundred and ten thousand acres of land, from the sale of which the University has realized an endowment fund. This fund is represented by Registered Bonds of the State of Maine, dated June 1, 1889, due July 1, 1915, bearing interest at 5% per annum, of the par value of .....\$118,300 00

*Levi M. Stewart Fund Investment:*

This represents a fund received from Hon. David D. Stewart, executor and residuary legatee of Levi M. Stewart, late of Minneapolis, Minnesota amounting to .....\$20,000 00

By special permission of the donor, this fund is temporarily invested as a part of the purchase price of the College of Law Building in Bangor, Maine, known as Stewart Hall.

*David D. Stewart Fund Investment:*

The gift of Hon. David D. Stewart of St. Albans, Maine, for the purpose of retiring notes of the University of Maine representing the balance remaining unpaid on the purchase price of the College of Law Building in Bangor, Maine, known as Stewart Hall, amounting to .....  
 ..... \$13,750 00

## SCHEDULE B—ASSETS

*Nehemiah Kittredge Loan Fund Investment:*

This fund was established by Nehemiah Kittredge of Bangor, Maine. It is under the control of the President and Treasurer of the University, and from the same loans are made to needy students in the three upper classes. It is now invested as follows:

Twenty-nine promissory notes, signed by present and former students of the University, aggregating, exclusive of accrued interest....\$1,381 98  
 On Deposit in Bangor Savings Bank, Book No. 45602 .....134 54

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\$1,516 52

*Kidder Scholarship Fund Investment:*

The gift of Frank E. Kidder, of Denver, Colorado, Class of 1879, providing for the award of a scholarship to a member of the junior class, selected by the President and Faculty, amounting to.....\$750 00

This fund is on deposit in the Bangor Savings Bank, as shown by Book No. 45603.

## SCHEDULE C—ASSETS

*Lands & Buildings:*

Alumni Field .....	\$1,000 00
Alumni Hall .....	33,979 30
Aubert Hall .....	78,350 99
Balentine Hall (partially completed) .....	23,882 80
Balentine Hall Annex .....	4,925 73
Campus & Farm Lands .....	11,000 00
Library Building .....	50,985 06
Carpenter Shop .....	2,491 13
Coburn Hall .....	28,203 80
Estabrooke Hall .....	6,000 00
Faculty Houses .....	26,235 65
Farm Buildings .....	25,955 14
Fernald Hall .....	30,000 00
Hannibal Hamlin Hall .....	55,707 32
Heating Plant .....	58,554 92
Horticultural Building .....	2,500 00
Infirmary .....	700 00
Janitor's House .....	1,000 00
Kappa Sigma House .....	5,400 00
Locomotive House .....	200 00
Lord Hall .....	38,337 48
Mount Vernon House .....	3,500 00
Oak Hall .....	40,000 00
Observatory .....	500 00
Old Pumping Station .....	1,200 00
Power House .....	1,000 00
Stewart Hall .....	33,750 00
Sigma Nu House .....	3,500 00
Stock Judging Pavilion .....	4,292 46
Store House (Old Art Guild) .....	900 00
Store House .....	500 00
Waiting Room .....	226 37
Wingate Hall .....	25,143 33
Winslow Hall .....	45,207 85
Woodward Farm .....	3,000 00

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 \$648,131 63

## SCHEDULE D—ASSETS

*Inventories:*

Advertising .....	\$202 77
Balentine Hall .....	2,811 21
Biology .....	10,257 83
Care of Buildings .....	279 15
Commencement .....	372 34
Chemistry .....	20,560 95
Civil Engineering .....	9,620 95
Commons .....	1,814 15
College of Agriculture:	
Postage, Printing, and Stationery .....	166 21
Sundry Supplies & Misc.....	1,837. 44
Equipment .....	21,246 30
Cows .....	6,085 00
Horses .....	2,685 00
Poultry .....	2,376 95
Other Live Stock .....	562 00
Feed .....	1,857 42
Fertilizer, Seeds, etc.....	65 33
Diplomas .....	87 02
Economics & Sociology .....	14 10
Electrical Engineering .....	8,794 32
English .....	220 50
Greek and Classical Archaeology .....	1,393 60
Hannibal Hamlin Hall .....	1,902 54
History .....	34 00
Hospital .....	47 20
Inn .....	2,656 70
Insurance .....	2,625 09
Latin .....	18 50
Laundry .....	268 00
College of Law .....	1,425 00
Law Library .....	11,666 56
Library .....	62,620 54
Locker Account .....	909 00
Mathematics & Astronomy .....	4,253 00
Mechanical Engineering .....	23,794 48
Mechanics and Drawing .....	1,785 55
Military Science .....	520 62
Mount Vernon House .....	1,240 72
Mount Vernon House Annex No. 1 .....	704 58
Museum .....	10,975 04
Oak Hall .....	1,458 24
Office Supplies and Postage .....	298 50
Pharmacy .....	587 40
Philosophy .....	304 55

REPORT OF THE TREASURER

II

Physical Training .....	1,825 33
Physics .....	8,046 84
Power, Heat, Light, Water, and Grounds:	
Supplies .....	3,049 03
Coal .....	4,193 40
Repairs to Buildings .....	1,551 26
Furniture and Fixtures .....	8,178 47
	<hr/>
	\$250,250 08

SCHEDULE E—ASSETS

*Accounts Receivable:*

This account represents funds due the University as follows:

Student Accounts .....	\$1,445 54
Experiment Station .....	20,555 67
Other General Ledger Accounts .....	3,643 93
	<hr/>
	\$25,645 14

SCHEDULE F—ASSETS

*State of Maine, Appropriation:*

Amount due the University, under the provisions of the laws of 1915,  
on account of Appropriation for Maintenance .....\$6,250

SCHEDULE G—ASSETS

*Bills Receivable:*

Represents seventy-one (71) promissory notes, signed by present  
and former students, given the University in settlement of tuition fees,  
term bills, etc., aggregating .....\$2,000 10

SCHEDULE H—ASSETS

*Cash Balance, June 30, 1915:*

On Deposit, Merrill Trust Co., Bangor, Maine .....	\$66 41
On Deposit, Old Town Trust Co., Old Town, Maine ...	41
Cash Drawer .....	1,810 07
	<hr/>
	\$1,876 89
	<hr/>
Cash on hand June 30, 1914 .....	\$1,605 80
Total receipts for year .....	520,657 70
	<hr/>
	\$522,263 50
Less total disbursements for year .....	520,386 61
	<hr/>
	\$1,876 89

## SCHEDULE I—LIABILITIES

*Bills Payable:*

Note No. 29	Merrill Trust Co., Bangor, Me., Demand	\$10,000 00
30	Merrill Trust Co., Bangor, Me., Demand	5,000 00
30a	Merrill Trust Co., Bangor, Me., Demand	8,000 00
31	Merrill Trust Co., Bangor, Me., Demand	11,000 00
		<hr/>
		\$34,000 00

## SCHEDULE J—LIABILITIES

*Accounts Payable:*

Audited Vouchers .....	\$53,214 37
The Levi M. Stewart Fund Loan .....	20,000 00
Thesis Binding .....	52 50
Summer Term, 1915 .....	1,411 50
Summer Term Board, 1915 .....	23 52
Key Deposit Account .....	140 00
	<hr/>
	\$74,841 89

## STATEMENT SHOWING INCOME FROM ALL SOURCES

*Income from Students:*

Registration fees .....	\$9,080 00
Tuition fees, General .....	\$22,507 50
Tuition fees, College of Law..	6,155 29
	<hr/>
	28,662 79
Incidental fees .....	17,865 00
Special fees for late registration, Diplo- mas, Etc.....	750 18
For Dormitories .....	10,548 85
	<hr/>
	\$66,906 82

*Income from Investments:*

Endowment for general purposes (Coburn)	4,000 00
Rents .....	1,971 04
	<hr/>
	5,971 04

*Income from Grants by State and Nation:*

## State—

Appropriation for Maintenance .....	116,250 00
Appropriation for New Laboratory .....	18,750 00
Appropriation for New Dormitory .....	5,000 00

## Federal Aid—

Income from Land Grant—Act of July 2, 1862	5,915 00
Additional Endowments—Acts of Aug. 30, 1890 & March 4, 1907 .....	50,000 00
	<hr/>
	195,915 00

*Income from Departments:*

Law Library .....	979 94	
Mechanics and Drawing .....	519 78	
Museum .....	26 81	
Shop .....	1 00	1,527 33

*Income from other sources:*

College General, Laboratory fees .....	7,488 33	
College of Agriculture, Laboratory fees....	2,234 34	
College of Agriculture, Sales .....	10,410 65	
College of Agriculture, Cows .....	215 00	
College of Agriculture, Poultry .....	448 20	
Board of Students, Summer Term, 1914 ....	49 87	20,846 39

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\$291,166 78

STATEMENT SHOWING TOTAL EXPENDITURES

*Salaries:*

Salaries of Officers .....	\$11,308 40	
Salaries of Instructors .....	106,104 14	\$117,412 54

*Administration Expenses:*

Printing Reports and Bulletins .....	1,147 78	
Advertising .....	427 15	
Clerk Hire .....	5,131 48	
Commencement .....	713 34	
Freight & Express .....	1,416 32	
Office Supplies & Postage .....	3,109 14	
Telephone and Telegraph .....	638 78	
Traveling Expenses .....	1,126 93	
Interest and Discount .....	1,155 57	
Printing and Binding .....	316 18	
Miscellaneous .....	750 81	15,933 48

*Maintenance of Property:*

Repairs to Buildings .....	9,649 48	
Care of Buildings .....	7,484 24	
Furnishings and Fixtures .....	2,321 61	
Insurance .....	2,147 30	
Athletic Field .....	582 81	22,185 44

*Power, Heat, Light, Water, and Grounds:*

Labor .....	8,565 02
Supplies .....	8,122 55

Electricity .....	2,421 01	
Coal .....	12,213 83	
Water .....	1,406 62	
Grounds .....	3,194 13	
Freight and Express .....	459 82	36,382 98
		<hr/>

*Department Expenses:*

Civil Engineering .....	749 96	
Electrical Engineering .....	688 18	
College of Law .....	9,428 33	
Library .....	2,522 14	
Mathematics and Astronomy .....	3 37	
Mechanical Engineering .....	1,245 96	
Military Science .....	387 39	
Physical Training .....	664 76	
Latin .....	76 60	
English .....	160 68	
History .....	65 90	
Economics and Sociology .....	30 90	
Greek .....	135 40	
Philosophy .....	25 00	
Biology .....	537 10	
Chemistry .....	4,048 56	
Pharmacy .....	357 12	
Physics .....	1,992 39	
Technology Extension .....	85 35	23,205 09
		<hr/>

*House Charges:*

University Inn .....	444 95	
Mount Vernon House Annex, No. 1 .....	279 58	724 53
		<hr/>

*College of Agriculture:*

Salaries of Instructors .....	27,993 29	
Pay of Employees .....	9,562 59	
Equipment .....	911 90	
Horses .....	475 30	
Other Live Stock .....	147 00	
Feed .....	6,040 02	
Hay and Straw .....	98 88	
Fertilizers, Seeds, Etc. ....	304 89	
Sundry Supplies & Miscellaneous .....	3,110 71	
Traveling Expenses .....	2,114 39	
Postage, Printing, and Stationery .....	1,863 39	
Freight and Express .....	608 65	
Wood Account .....	418 22	



Farmers' Week .....	202 63	
Forestry .....	521 66	54,373 52
	<hr/>	

*Sundry Accounts:*

Prizes .....	105 00	
Thesis Binding .....	85	
Summer Term, 1914 .....	1,638 07	
Profit and Loss .....	982 13	2,726 05
	<hr/>	

		\$272,943 53
Surplus .....		18,223 15
	<hr/>	
		\$291,166 78

## STATEMENT SHOWING HOW SURPLUS WAS EMPLOYED

*Increased Assets:*

Plant—		
Alumni Hall .....	\$1,984 00	
Aubert Hall .....	43,642 12	
Balentine Hall .....	8,411 89	
Balentine Hall Annex .....	3,257 45	
Carpenter Shop .....	2,491 43	
Farm Buildings .....	350 00	
Heating Plant .....	1,889 95	
Inventories, increased .....	21,303 59	
Accounts Receivable, increased .....	9,464 76	
Cash, increased .....	271 09	\$93,066 28
	<hr/>	

## LESS

Fernald Hall Annex, made a part of Car- penter Shop .....	\$1,378 70	
Stand Pipe and Fixtures, dismantled .....	1,000 00	
Amount due from State, decreased .....	28,321 84	
Bills Receivable, decreased .....	1,733 51	
Bills payable, increased .....	34,000	
Accounts Payable, increased .....	8,409 08	74,843 13
	<hr/>	
Net increase in Surplus .....		\$18,223 15

## MAINE AGRICULTURAL EXPERIMENT STATION

STATEMENT SHOWING RECEIPTS AND EXPENDITURES JULY 1, 1914 to  
JUNE 30, 1915, INCLUSIVE

	Balance June 30, 1914	Receipts	Expendi- tures	Balance June 30, 1915
Adams Fund, . . . . .	-	\$15,000 00	\$15,000 00	-
Hatch Fund, . . . . .	-	\$15,000 00	\$15,000 00	-
General Account, . . . . .	\$1,104 67	\$9,300 66	\$10,723 05	*\$ 317 72
Inspection Analysis, . . . . .	*\$2,764 55	\$11,859 86	\$12,288 75	*\$3,193 44
Inspection Analysis Receipts, . . . . .	\$ 34 20	\$ 699 16	\$ 716 56	\$ 16 80
Animal Husbandry Account, . . . . .	-	\$ 5,000 00	\$ 5,000 00	-
Aroostook Farm, . . . . .	*\$2,605 84	\$ 5,715 86	\$ 9,887 30	*\$6,777 28
Sheep Account, . . . . .	*\$ 677 39	\$ 309 87	\$ 839 96	*\$1,207 48
Appropriation for Printing, . . . . .	\$2,695 42	-	\$ 2,695 42	-

\*Deficit Balance.

Respectfully submitted,

CHARLES J. DUNN,

*Treasurer*