

MAINE STATE LEGISLATURE

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PUBLIC DOCUMENTS OF MAINE

1913

BEING THE

ANNUAL REPORTS

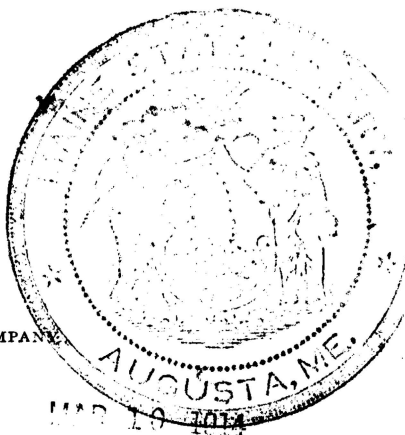
OF THE VARIOUS

DEPARTMENTS AND INSTITUTIONS

For the Year 1912

VOLUME IV

WATERVILLE
SENTINEL PUBLISHING COMPANY
1914



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ANNUAL REPORT

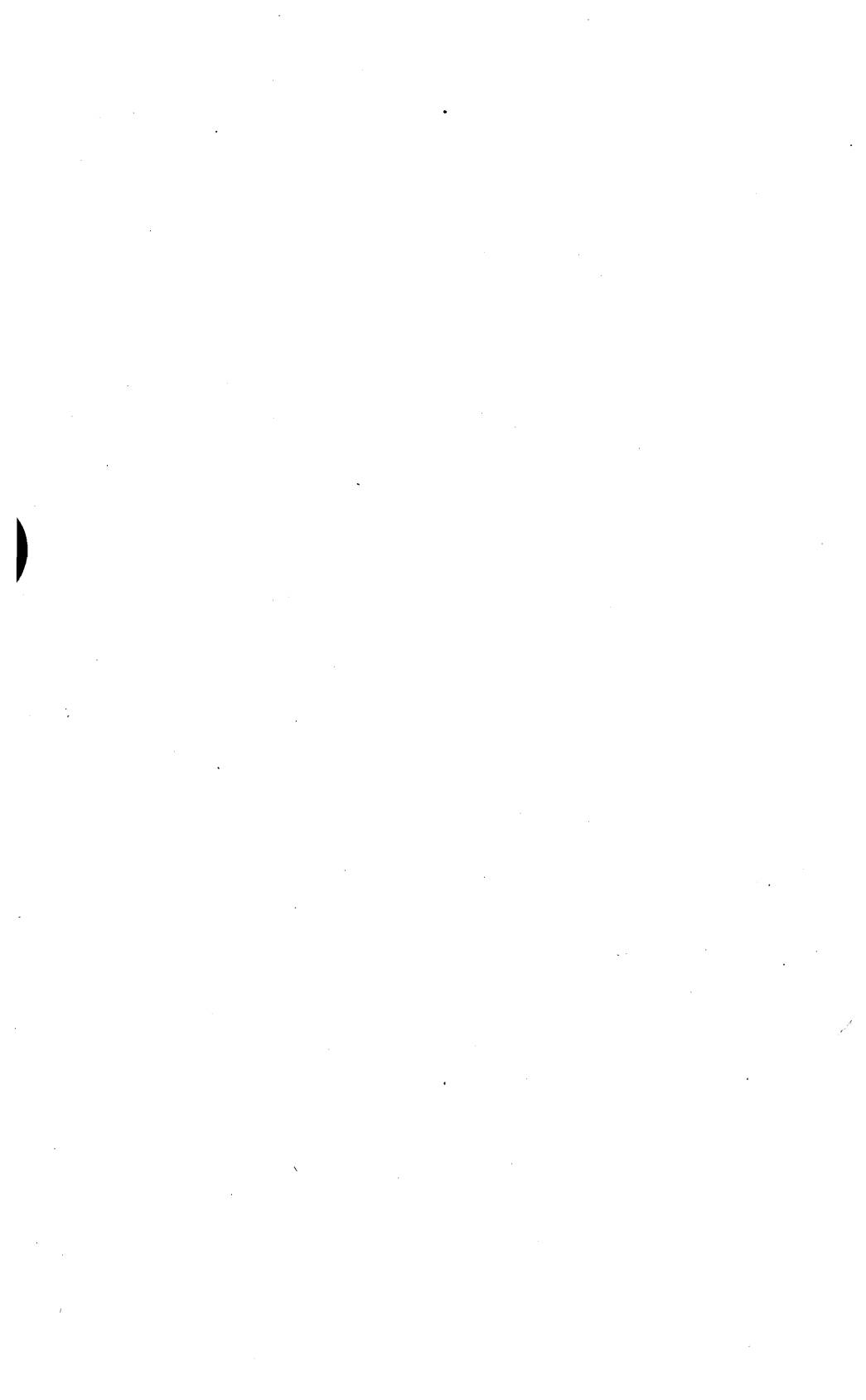
OF THE

UNIVERSITY OF MAINE

FOR THE YEAR ENDING JUNE 30, 1913

**REPORTS OF THE TRUSTEES, TREASURER, PRESIDENT
DEANS, DIRECTOR, LIBRARIAN, PROFESSOR OF
MILITARY SCIENCE, AND PROFESSOR OF
PHYSICAL CULTURE**

Published for the University
SENTINEL PUBLISHING COMPANY
WATERVILLE, MAINE
1913



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REPORT OF THE PRESIDENT OF THE BOARD OF TRUSTEES

To the Honorable Governor and Council:

The Trustees of the University of Maine beg to submit their annual report, and in doing so take this occasion to state that the institution was never more prosperous than during the year just closed.

The Legislature at its last session made needful appropriations, not only for the running expenses of the University, but for the erection of two much needed buildings, a physical-chemical laboratory, and one wing of a women's dormitory. The foundations for these buildings will be put in during the present fall, and the whole completed for occupation in season for the fall term in 1914.

New walks have been laid and the campus generally improved.

The resignation of Gov. Haines from the Board of Trustees was a distinct loss to the University, though his place has been ably filled by Mr. William A. Martin, of Houlton, whom the Governor appointed to fill the vacancy.

The President and Faculty are working in harmony and with much zeal for the welfare of the University, and the fruits of their labor are being felt and appreciated by the people of the State.

The prejudice that once existed in certain localities against the institution has entirely died out as our people have become familiar with the good work it is doing, and in its place has sprung up a state-wide pride in the University of Maine, as the head of our public educational system. The limit to its future growth and usefulness would be difficult to predict.

Respectfully yours,

S. W. GOULD,

President of the Board of Trustees

REPORT OF THE TREASURER OF THE UNIVERSITY OF
MAINE FOR THE FISCAL YEAR ENDED JUNE 30, 1913

ASSETS

Trust Fund Investments:

Coburn Trust Fund	Schedule A	\$100,000 00
U. S. Land Scrip Fund	Schedule A	118,300 00
The Levi M. Stewart Fund	Schedule A	20,000 00
Nehemiah Kittredge Loan Fund	Schedule B	1,314 76
Kidder Scholarship Fund	Schedule B	750 00
		\$240,364 76
Lands and Buildings	Schedule C	535,844 43
Inventories	Schedule D	207,569 02
Accounts receivable	Schedule E	10,172 61
General Appropriation, State of Maine	Schedule F	30,343 10
Bills receivable	Schedule G	3,963 78
Cash on hand, June 30, 1913	Schedule H	1,025 16
		\$1,029,282 86

LIABILITIES

Trust Funds:

Coburn Trust Fund		\$100,000 00
U. S. Land Scrip Trust Fund		118,300 00
Nehemiah Kittredge Loan Fund		1,314 76
The Levi M. Stewart Fund		20,000 00
Kidder Scholarship Fund		750 00
		\$240,364 76
Bills Payable	Schedule I	40,750 00
Accounts Payable	Schedule J	34,415 45
Surplus		713,752 65
		\$1,029,282 86

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 Script 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 June 1, 1915, bearing interest at 5% per annum, of the par value of..... \$118,300 00

NOTE: All of the foregoing described bonds are deposited with the Treasurer of the State of Maine.

The 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, and amounting to \$20,000 00

This fund is deposited in the savings department of the Merrill Trust Company, Book No. 1826.

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-four promissory notes, signed by present and former students of the University, and aggregating, exclusive of accrued interest..... \$1,244 98

On deposit in Bangor Savings Bank, Book No. 45602.... 69 78

\$1,314 76

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, and amounting to \$750 00

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

SCHEDULE C—ASSETS.

Lands and Buildings:

Alumni Field, structures only \$1,000 00
 Alumni Hall 31,979 80

Campus and Farm Lands	11,000 00
Carnegie Library	50,985 06
Coburn Hall	28,203 80
Estabrooke Hall	6,000 00
Faculty Houses	26,235 65
Farm Buildings	25,230 14
Fernald Hall	30,000 00
Fernald Hall Annex	1,378 70
Hannibal Hamlin Hall	55,707 62
Heating Plant	56,664 97
Horticultural Building	2,500 00
Infirmary	700 00
Janitor's House	1,000 00
Kappa Sigma House	5,400 00
Law School Building (Bangor)	33,750 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
Stand Pipe and Fixtures	1,000 00
Stock Judging Pavilion	4,292 46
Store House	500 00
Store House	500 00
Sigma Nu House	3,500 00
Waiting Room	226 97
Wingate Hall	25,143 93
Winslow Hall	45,207 85
Woodward Farm	3,000 00
	<hr/>
	\$535,844 43

SCHEDULE D—ASSETS

Inventories:

Advertising	\$370 01
Biology	8,191 09
Care of Buildings	30 00
Commencement	267 31
Chemistry	11,175 76
Civil Engineering	7,510 7c
Commons	1,458 83
College of Agriculture:	
Postage, Printing and Stationery	753 38
Sundry Supplies and Miscellaneous	470 02
Equipment	10,589 28

Cows	4,263 00
Horses	1,845 00
Poultry	628 85
Other Live Stock	931 00
Feed	499 47
Home Economics	1,162 04
Bacteriology and Veterinary Science	2,631 95
Biological and Agricultural Chemistry	940 30
Diplomas	370 01
Economics and Sociology	45 00
Electrical Engineering	6,953 15
English Language	220 00
Forestry	1,008 96
Furnishings and Fixtures	8,190 75
Greek	1,463 05
Hannibal Hamlin Hall	3,047 99
History	105 45
University Inn	2,429 30
Insurance	5,705 77
Latin	95 10
Laundry	206 15
Law School	1,330 25
Law Library	9,297 81
Library	55,531 13
Locker Account	612 00
Mathematical Science	4,271 25
Mechanical Engineering	21,324 35
Mechanics and Drawing	948 00
Military Science	330 79
Mount Vernon House	1,506 97
Museum	10,717 24
Oak Hall	175 00
Office Supplies and Postage	412 22
Pharmacy	257 78
Philosophy	324 25
Physical Training	1,651 00
Physics	7,468 68
Power, Heat and Light:	
Coal	4,754 55
Supplies	1,115 81
Repairs to Buildings	1,613 60
Water Supply	277 67
	<hr/>
	\$207,569 02

SCHEDULE E—ASSETS

Accounts Receivable:

This account represents funds due the University as follows:

Students' Accounts	\$6,551 60
Other General Ledger Accounts	3,621 01
	<hr/>
	\$10,172 61

SCHEDULE F—ASSETS

State of Maine, General Appropriations:

Amount due the University under the provisions of Chapter 99 of the Resolves of the State of Maine for the year 1913, and unpaid

\$30,343 10

SCHEDULE G—ASSETS

Bills Receivable:

Represents notes held by the University as follows:

Seventy-three (73) promissory notes signed by present and former students, given in settlement of tuition fees, term bills, etc., and aggregating

\$1,713 78

Three (3) promissory notes, given by Building Associations

2,250 00

\$3,963 78

SCHEDULE H—ASSETS

Cash Balance, June 30, 1913:

On deposit, Merrill Trust Company, Bangor, Maine....	\$8 87
On deposit, Eastern Trust & Banking Company, Old Town, Maine	67 14
Cash at office (Cash Drawer)	949 15
	<hr/>
	\$1,025 16
Cash on hand, June 30, 1912	\$882 75
Total receipts for year	342,676 26
	<hr/>
	\$343,559 01
Less total disbursements for year	342,533 85
	<hr/>
	\$1,025 16

SCHEDULE I—LIABILITIES

Bills Payable:

Law School Building Notes—		
Edwin G. Merrill, New York, Due Sept. 1, 1913	28,750	00
Merrill Trust Co., Bangor, Demand	5,000	00
		<hr/>
	\$33,750	00
Notes given for general purposes—		
Merrill Trust Co., Bangor, Due July 15, 1913	7,000	00
		<hr/>
	\$40,750	00

SCHEDULE J—LIABILITIES

Accounts Payable:

Audited Vouchers	\$30,223	44
Key Deposit Account	55	00
Thesis Binding	44	25
Maine Agricultural Experiment Station	4,084	76
Recreation Room Subscriptions	8	00
		<hr/>
	\$34,415	45

STATEMENT SHOWING INCOME FROM ALL SOURCES

Income from Students:

Registration fees	\$7,025	00
Tuition fees, General	\$17,773	50
Tuition fees, College of Law	5,249	94
		<hr/>
	23,023	44
Incidental fees	13,775	00
Special fees for Laboratories, Degrees, Etc.	755	62
For Dormitories	5,237	69
		<hr/>
	\$49,816	75

Income from Investments:

Endowments for general purposes (Coburn)	4,000	00
Rents	2,352	04
		<hr/>
	6,352	04

Income from Grants by State and Nation:

State:

Appropriation for current expenses and buildings	106,500	00
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Federal Aid:

Income from Land Grant—Act of July 2, 1862	5,915	00
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Additional endowments—Acts of Aug. 30, 1890, and March 4, 1907	50,000 00	162,415 00
<i>Income from Departments:</i>		
Law Library	\$758 31	
Mechanics and Drawing	15 51	
Museum	10 00	
English Language	79	
Biology	540 62	
Physics	129 06	
Home Economics	413 57	
Biological and Agricultural Chemistry	25 57	1,893 43
<i>Income from Other Sources:</i>		
College of Agriculture, Sales	\$11,212 22	
Board of Students, Summer Term, 1912...	76 04	
Horses	380 00	
Cows	75 00	11,743 26
		\$232,220 48

STATEMENT SHOWING TOTAL EXPENDITURES

Salaries:

Salaries of Officers	\$9,425 00	
Salaries of Instructors	81,097 30	\$90,522 30

Administration Expenses:

Printing Reports and Bulletins	\$1,175 72	
Advertising	580 33	
Clerk Hire	4,081 78	
Commencement	367 55	
Freight and Express	952 79	
Office Supplies and Postage	2,169 28	
Telephone and Telegraph	514 04	
Traveling Expenses	1,270 19	
Interest and Discount	1,025 32	
School Inspection	174 99	
Miscellaneous	410 31	12,722 30

Maintenance of Property:

Repairs to Buildings	\$7,575 71	
Care of Buildings	5,201 35	
Furnishings and Fixtures	1,646 19	

Insurance	1,730 67	
Athletic Field	49 52	16,293 44

Power, Heat and Light:

Labor	\$3,201 94	
Repairs	104 65	
Supplies	2,367 63	
Electricity	1,939 85	
Coal	8,052 17	
Freight and Express	123 82	15,790 06

Department Expenses:

Civil Engineering	\$420 44	
Electrical Engineering	535 83	
Law School	9,851 60	
Library	1,556 33	
Mathematical Science	1 80	
Mechanical Engineering	459 30	
Military Science	306 90	
Physical Training	499 07	
History	5 55	
Philosophy	23 50	
Chemistry	1,822 82	
Pharmacy	1 83	
Shop	55 15	15,538 12

House Charges:

University Inn	\$115 73	
Mount Vernon House	15 02	130 75

College of Agriculture:

Salaries of Instructors	\$20,810 27	
Pay of Employees	9,872 73	
Equipment	1,785 32	
Poultry	123 90	
Other Live Stock	47 00	
Feed	4,147 27	
Fertilizer, Seeds, etc.....	846 90	
Sundry Supplies and Miscellaneous	1,800 08	
Repairs	16 71	
Traveling Expenses	1,046 53	
Postage, Printing and Stationery	827 00	
Freight and Express	515 74	

Bacteriology and Veterinary Science	9 94	
Farmers' Week	204 13	
Forestry	305 26	42,358 78
		<hr/>

Sundry Accounts:

Summer Term—1912	\$1,294 00	
Prizes	60 00	
Water Supply	3,243 47	
Profit and Loss	130 00	4,727 47
		<hr/>

		\$198,083 22
Surplus	34,137 26	
		<hr/>
		\$232,220 48

STATEMENT SHOWING HOW SURPLUS WAS EMPLOYED

Increased Assets:

Plant—

Fernald Hall Annex	\$1,378 70	
Inventories, increased	6,751 39	
Amount due from State, increased....	20,990 94	
Bills Payable, decreased	14,000 00	
Cash on hand, increased	142 41	\$43,263 44
		<hr/>

LESS

Accounts Receivable, decreased	\$60 42	
Bills Receivable, decreased	337 80	
Accounts Payable, increased	8,727 96	9,126 18
		<hr/>
Net increase in Surplus.....	\$34,137 26	

MAINE AGRICULTURAL EXPERIMENT STATION

STATEMENT SHOWING RECEIPTS AND EXPENDITURES, JULY 1, 1912, TO JUNE 30, 1913, INCLUSIVE

	Adams Fund	Hatch Fund	General Fund	Inspection Account	Animal Husbandry	Appropriation for Printing
Balance July 1, 1912.....	-	-	†\$673 88	\$6,993 98	-	\$2,643 84
Total receipts.....	\$15,000 00	\$15,000 00	11,410 95	22,039 24	-	4,500 00
Totals.....	\$15,000 00	\$15,000 00	\$10,737 07	\$29,033 22	-	\$7,143 84
Expenditures.....	15,000 00	15,000 00	9,253 19	21,492 54	\$863 25	4,157 01
Balance June 30, 1912.....	-	-	\$1,483 88	\$7,540 68	*\$863 25	\$2,986 83

† Deficit balance June 30, 1912.

* Deficit balance June 30, 1913.

To the Trustees,
University of Maine

Respectfully yours,

CHARLES J. DUNN,

Treasurer

REPORT OF THE PRESIDENT OF THE UNIVERSITY

To the Board of Trustees of the University:—

I submit the following report for the year 1912-13:

For the first time the enrollment of students in the University exceeded 1000. There were 804 students from the State of Maine. These students came from every corner of the State, no county being represented by fewer than 10. From outside the State there were 207 students, coming from 14 states and 4 foreign countries. Of the total 1011 students, 747 were candidates for degrees.

The work of the year was marked by a spirit of enthusiasm and cooperation. Students and faculty were a unit in trying to make the most of the opportunities offered by the institution. The new men which were added to the faculty at the beginning of the year readily found their places and successfully coöperated with their fellows for the best results.

It is now generally recognized that a state university exists for three definite purposes: it must conserve and transmit knowledge; it must extend the boundaries of knowledge; it must carry to the people in a form ready for application the best results of class rooms and laboratories. The rapid growth in attendance has compelled the University of Maine to devote most of its energy to the conservation and transmission of knowledge. It grows each year increasingly difficult to meet the actual class room needs. One division of the University, the Experiment Station, gives its entire time to the extension of knowledge. The best results, however, can not be attained in the other departments of the institution unless the professors are encouraged to do a reasonable amount of research work. For several years the College of Agriculture, through its Extension department, has been carrying knowledge to the farmers of the State and showing them how to apply it. The demand from the people for other forms of knowledge is growing. It is as much the business of the University to help the people in the solution of other problems as it is to help them in the work of agriculture. During the past year a beginning was made in extension work by other departments of the University. We expect to extend and strengthen this work during the coming year.

If the University of Maine is to realize the three purposes above mentioned, it is very evident that the expense of maintaining the institution will increase. Nothing, however, is costly if it is worth more than is paid for it. Money will be needed, not only for additions to the

material equipment, but more particularly for the pay of men. The salaries paid in this institution are not as high as those paid in institutions of similar grade. Wages of teachers have gone up everywhere. This becomes evident when vacancies occur and we search for men to fill them. Many high schools pay salaries very much larger than we do. The question of increased revenue must receive careful consideration, if the institution is to continue to grow and to do the work that the State expects.

Respectfully yours,

ROBERT J. ALEY

REPORT OF THE DEAN OF THE UNIVERSITY

To the President of the University:—

I submit the following report of the Dean of the University for the year 1912-13:

Admissions to the freshman class in 1912 compare with previous years as is shown in the following table:

Year	1904	1906	1908	1909	1910	1911	1912
Regular freshman	88	157	162	152	143	162	239
Average number of units offered	11.4	12.5	13.6	13.7	13.8	13.8	14.3
Percentage admitted without conditions..	48	62	62	40	51	56	64
First year specials . . .	27	17	21	6	9	12	9
Percentage of special students	25.5	10	11.5	4	6	7	4

Under our new plan of admission it is expected that very few students will be admitted with conditions, but inasmuch as schools and students had but brief notice of the change, admissions for 1912 were largely under the old plan. While only 64% of the freshmen came absolutely unconditioned, 79% offered fourteen or more units. None were admitted conditioned in more than three units, and but five with more than two.

Including specials and those in two year courses, 86 Maine schools sent 227 students; these came from 145 different localities or post-office addresses. Thirty-nine schools from outside the State sent 44 students. Sixty-nine candidates came from 35 Maine schools that sent none in 1910 or 1911.

A study has been made of the comparative standing for the first semester of students from different classes of schools, also of the ranks of this year's freshmen compared with those of 1910 and 1911, with satisfactory results. A similar comparative study has been made of grades in the various subjects of the freshman year. It is intended to continue such investigations.

During the year there has been very little occasion for discipline of students. A slightly larger number than usual have been required to withdraw from the University. On the other hand, the number of students placed upon probation has been unusually small.

Respectfully yours,

JAMES N. HART,
Dean of the University

REPORT OF THE DEAN OF THE COLLEGE OF AGRICULTURE

To the President of the University:—

I submit the following report of the College of Agriculture for the year 1912-13:

REGISTRATION OF STUDENTS

The total registration of students for the year was 259. Of these 197 were four year students and 62 were two year students.

TEACHING FORCE

During the year two instructors were added to the teaching force, one to the department of Animal Industry and one to the department of Bacteriology. The needs of the departments for the coming year make necessary the appointment of three additional instructors, one each for the departments of Agronomy, Home Economics, and Forestry.

EQUIPMENT.

The soil physics and biological chemistry laboratories have been enlarged and in the former considerable new equipment has been added. The live stock equipment has been improved by the purchase of a few head of pure bred stock. It will be necessary to rearrange the outdoor laboratories maintained by the Horticultural and Forestry departments and plans for doing so have been completed and the necessary land assigned to the above departments. The Agronomy field laboratory was increased in size and now constitutes one of the "show places" of the University.

EXTENSION SERVICE

During the year the Extension department has been able to render greater service to the farmers of Maine than ever before.

Lectures and Demonstrations were given to the number of 243 at which there were 23,911 people in attendance, representing an increase of 7.5% in number of lectures and 12.4% in attendance.

The *Correspondence Courses* have been taken by the usual number of people. It is now planned to revise at least two of the courses and publish them in pamphlet form to be used in place of the text-books formerly recommended.

Four *Lecture Courses* consisting of five lectures each were given in various parts of the State with good results.

Three *Extension Schools* were held in Oxford County. The course given was in grading and packing apples. The attendance exceeded 220. It is planned to hold a greater number of schools of similar type but dealing with various subjects in other parts of the State the present year.

The *Annual Farmers' Week* was enlarged to meet the demands made upon the University and as usual was well attended.

The *Short Winter Courses* on account of lack of accommodations were not extensively advertised and consequently the attendance fell off somewhat. An effort will be made the coming winter to provide ample room and boarding accommodations, and to secure large classes.

Farm Demonstration Work is now under way in four counties in the State, and results already show an increased interest and in the spread of influence from the local demonstrations. The work is financed by the General Education Board. Additional funds have been granted for similar work in Penobscot County.

Boys' and Girls' Agricultural Clubs. Beginning August 15th a representative of the College will devote all his time to organizing clubs and to directing their work. The expenses are paid by the General Education Board.

The *Correspondence* of the College is steadily increasing. Thousands of inquiries are received from farmers representing every section of Maine. This service requires considerable time but is compensated for by the great value of the information given to the inquiries.

Respectfully yours,

LEON S. MERRILL,
Dean, College of Agriculture

REPORT OF THE DEAN OF THE COLLEGE OF ARTS AND SCIENCES

To the President of the University:—

I submit the following report of the College of Arts and Sciences for the year 1912-13:

Degrees in Pedagogy. Action has been taken whereby graduates of the Maine normal schools, who have completed four years in a Class A fitting school, and who have had a teaching experience of one or more years, may be admitted to the University as candidates for the degree of Bachelor of Pedagogy, and receive this degree upon completion of two years' work. This step, heartily endorsed by the State Superintendent of Public Schools, should tend to bring the various State institutions into a closer relationship.

Curriculum in Journalism. Announcement has been made of a curriculum outlined in the department of English, designed to train students for journalistic work. There are indications that a number of students will register for this work in the coming year.

Graduate Work. In common with the other colleges of the University the College of Arts and Sciences has extended the scope of its graduate work. The master's degree is offered in all departments, and the next issue of the catalog will indicate which courses may be taken for graduate credit.

Department Changes. We are most fortunate that no change has been made in the head of any department. Several appropriate promotions have been made, and an assistant professor of economics and sociology has been added. This addition will enable the department to strengthen the courses which are especially adapted to students in this college. Mr. L. J. Reed, who has served as secretary of this faculty for two years has leave of absence for graduate study at the University of Pennsylvania.

Summer Term. While the Summer Term is a department of the University, most of its courses are in this college. The session of 1913 had an attendance of 128, the next to the largest of any term. The presence of a large number of teachers and mature students added to the interest of the class work. The summer session is becoming more and more attractive to college graduates and teachers who have had a partial college course.

General Lecture Courses. During the year lecture courses were given in the fall semester by the departments of History and Economics

and Sociology, and in the spring semester by the departments of Mathematics and Physics. A schedule has been arranged covering four years, and including the various departments in the college.

In common with other colleges, we need larger appropriations for salaries, equipment, and books. Perhaps the greatest need is a building devoted exclusively to arts and sciences.

Respectfully yours,

JAMES S. STEVENS,
Dean of the College of Arts and Sciences

REPORT OF THE DEAN OF THE COLLEGE OF LAW

To the President of the University:—

I submit the following report of the College of Law for the year 1912-13:

The registration of the College of Law was 116 as against 113 last year and 107 the year before. The men are classified as follows:—Graduate Students 29, Seniors 22, Juniors 24, First Year Men 20, Special Students 19.

The counties of the state were represented as follows:—Androscoggin 3, Aroostook 3; Cumberland 15, Franklin 1, Hancock 4, Kennebec 4, Knox 3, Oxford 3, Penobscot 22, Piscataquis 1, Sagadahoc 0, Somerset 7, Waldo 0, Washington 6, York 3; or 72 men in all.

The states were represented as follows:—Massachusetts 20, New Hampshire 7, Vermont 7, Connecticut 4, California 1, North Dakota 1, New York 1, Pennsylvania 1, and China 1; making in all 44 men from outside the State of Maine.

Colleges and universities were represented as follows:—Maine 5, Bowdoin 2, Colby 2, Brown 1, Colgate 1, Dartmouth 1, Euphrates 1, Harvard 1, St. Joseph's 1, University of Chicago 1, St. Mary's 1, and West Point 1; or 18 in all. There were 24 men that had a partial college education.

Other law schools had representatives in the College as follows:—Albany Law School 1, Boston University Law School 1, Illinois College of Law 1, New York University Law School 1, Southern Normal University College of Law 1.

At the Commencement last June the degree of LL. B. was conferred on eighteen men, and the degree of LL. M. on six.

In the State bar examinations of this year all the graduates of the College of Law that took them passed successfully.

According to the vote of the board of trustees, graduate study *in absentia* will wholly cease in June 1914. No new applications for registration have been accepted since June 1912.

The gift to the College of Law of Twenty Thousand Dollars by Hon. D. D. Stewart of St. Albans Maine, to be called "The Levi M. Stewart Fund" was the first large gift received by the College of Law.

The Maine Law Review, about to begin its seventh year, is managed in a business-like manner and reflects credit upon the students and the College. On the occasion of the celebration of the fifteenth anniversary of the College of Law, the Maine Law Review published a nine-

page article on "Our Law School, Its Origin, Its Life, Its Work," and an editorial on the same subject, with pictures of the faculty and the editorial board of the Review.

The establishment of a branch of the University Store Company in the College of Law building, recommended by me in previous reports, was effected this year and has been a success. Miss Agnes B. Sawyer has charge of the same, as well as of the college office.

Respectfully yours,

W. E. WALZ,
Dean of the College of Law

REPORT OF THE DEAN OF THE COLLEGE OF TECHNOLOGY

To the President of the University:—

I submit the following report of the College of Technology for the year 1912-13:

During the year the college has had a registration of 354. At Commencement 53 students were given the degree of Bachelor of Science and 8 the degree of Pharmaceutical Chemist.

The year has shown steady improvement and an increased efficiency in the different departments. The capacity of the College is taxed, both in its major students, and by special courses in engineering and chemistry demanded by departments in other colleges.

Efforts have been continued to keep in closer touch with the alumni. Letters have been sent out and statistics gathered. It is proposed to publish the results of these statistics during the coming year. Many of our technological graduates now remain in Maine, instead of finding employment elsewhere as was formerly the usual practice. There are now more than 240 of our graduates employed as engineers and chemists in Maine. This is more than the number living in New York and nearly as many as are employed in New York and Massachusetts together.

Upon the completion of the new chemistry-physics building, the department of Chemistry will find a much needed relief in larger and better facilities for carrying on its work. Additional space for other engineering departments is greatly needed. A still urgent need is more money for equipment and salaries.

This College desires to give the people of Maine the benefit of its services, not only in training engineers and chemists, but also in helping to solve questions dealing with electric lighting, power, bridges, railroads, highways, and other matters of similar nature. Some progress has been made in the latter field. The difficulty in the way of doing more is that the people of the State do not know that the College and the faculty are for their use. We hope this knowledge may become more generally disseminated, and result in a wide use of the College.

In conclusion, I wish to express my appreciation of the unity of purpose and the commendable spirit shown by the faculty of this College. The men are all giving their best efforts to make the work successful.

Respectfully yours,

H. S. BOARDMAN,

Dean of the College of Technology

REPORT OF THE LIBRARIAN

To the President of the University:—

I submit the following report of the Library for the year 1912-13:

During the year ending June 30, 1913, the number of books added to the General Library was 2,127, to the Law Library, 193, and to the Agricultural Experiment Station Library 270, a total increase of 2,590. This makes the record of books in the libraries on June 30 stand: General Library, 42,751, Law Library, 3,675, and Agricultural Experiment Station Library, 3,884, a total of 50,290. It is worth noting that we have passed the 50,000 mark.

The growth of the library and the increase in the faculty and student body has been accompanied by a corresponding increase in the use made of the facilities we provide. The problem of providing space for the normal increase of the Library in the immediate future has been called to your attention in a special report; it will soon become very serious.

The library staff during the past year has been satisfactory. One change will be made, already provided for, owing to desire of one assistant to accept a more remunerative position elsewhere.

Respectfully yours,

RALPH K. JONES,
Librarian

REPORT OF THE PROFESSOR OF MILITARY SCIENCE AND TACTICS

To the President of the University:—

I submit the following report of the Military Department for the year 1912-13:

When the college year opened about three hundred and forty freshmen and sophomores, nine juniors and four seniors registered for the course in military science and tactics. The officers were taken from the junior and senior classes and the non-commissioned officers from the sophomore class. On account of the large number of freshmen and sophomores it was necessary to put the men into five companies. As long as we were able to drill out of doors the time was taken up with instruction in close order work including the school of the soldier, squad, and company. After we were obliged to remain indoors the time was divided so that one company used the gymnasium floor for close order drill, while another company was in the shooting gallery or in recitation in infantry drill regulations. When we were again able to go out of doors in the spring, extended order work and battalion drills were taken up.

After the Christmas recess a band of twenty-five pieces was organized from those students who were taking the course. The band was placed under the leadership of one of the students and was required to practice twice a week. The members of the band were excused from other drills.

Just before the Christmas recess the members of the battalion organized a rifle club and joined the National Rifle Association and entered for the intercollegiate matches. These matches, thirteen in number, were shot once each week until the first of April. The University of Maine team won three of these matches. This was a very good showing, as the team had but little time to practice prior to the beginning of the shoot. The students seem to be interested in the shooting and and it is hoped that they will make a better showing next year. The shooting was conducted in the baseball cage until it had to be used by the track men. A new gallery range was then built on the third floor of Lord Hall.

On May 28th the United States inspector made his annual inspection and reported that the battalion made a very creditable showing.

Respectfully yours,

RALPH R. GLASS,

First Lieutenant 21st Infantry

Professor of Military Science and Tactics

REPORT OF THE PROFESSOR OF PHYSICAL CULTURE

To the President of the University:—

I submit the following report of the Department of Physical Culture and Athletics for the year 1912-13:

In addition to the physical culture required of freshmen, three hours a week (two hours gymnasium and one hour lecture), advanced elective courses are offered upper-classmen. Over four hundred students registered for work in this department during the past year.

The university football, track and baseball teams were coached under my supervision. The various coaches were appointed with my approval by the Athletic Board. This Board is composed of three representatives of the faculty, appointed by the faculty, three alumni, elected by the Alumni Association, and four undergraduates, elected by students. A cross country race with the other Maine colleges and dual track meets with Trinity and Bates were new features of our athletic schedules.

A series of interfraternity track meets interested a large number of students in the various events.

During the year a number of improvements were made on the athletic field, the greater portion of the funds required being contributed by the alumni.

Respectfully yours,

EDGAR R. WINGARD,
Professor of Physical Culture

REPORT OF THE DIRECTOR OF THE MAINE AGRICULTURAL EXPERIMENT STATION

To the President of the University:—

I submit the following report of the Experiment Station for the year 1912-13:

In addition to the work of investigation for which the Experiment Station was established, the Director is charged with the enforcement of the laws regulating the sale of agricultural seeds, commercial feeding stuffs, commercial fertilizers, drugs, foods, fungicides and insecticides, and the calibration of the chemical glass ware. Because of this the Station is organized in two distinct divisions—one having to do with the work of inspection and the other with the work of investigation. Outside of the executive office these two general divisions of the Station do not overlap.

THE WORK OF INSPECTION

During the year most of the manufactories and places of business coming under the requirements of the laws of which the Director is the executive have been visited and full reports made by the inspectors. Many hundreds of samples of the different classes of materials on sale have been collected by the inspectors and examined by the analysts. In the case of violation of the law hearings were appointed and where it seemed best for the public good prosecutions were made. The results of the work of inspection are published in a series called Official Inspections. During the year ending June 30, 1913, ten numbers aggregating 160 pages were published.

THE WORK OF INVESTIGATION

The work of investigation is conducted by the departments of Biology, Entomology, and Plant Pathology. The field experiments with fertilizers, crop management, etc., are under the direct oversight of the Director. The laboratories and poultry plant at Orono, and Highmoor Farm, are used for the work of investigation.

The legislature of 1913 enacted two laws of importance to the investigational work of the Station. One provides that the Station shall undertake investigations in animal husbandry and appropriates \$5,000 annually for this purpose. The other looks toward the purchase of an experimental farm in Aroostook county to be under the management of

the Station. Plans are in progress for taking up at once the work of investigations in animal husbandry. The committee on the purchase of the farm have not yet made a selection.

The results of the work of investigation are published in the bulletins of the Station and in scientific journals. During the year ending June 30, 1913, twelve bulletins containing 416 pages were published. Papers aggregating about 100 pages were also published in scientific journals. The annual report for 1912 (668 pages) contains the account of the work completed during that year. The publications of the Station are sent free to residents of the State and to libraries and scientific workers outside of the State. To other non-residents a nominal price is asked.

Respectfully yours,

CHAS. D. WOODS,

Director of the Maine Agricultural Experiment Station