

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 1916

VOLUME IV

The Maine Bulletin

Entered at the Orono post office as second class matter
Published monthly during the academic year

Vol. XIX

University of Maine, Orono, Maine, October, 1916

No. 2

ANNUAL REPORT

of the

UNIVERSITY OF MAINE

For the Year Ended June 30, 1916



UNIVERSITY PRESS
UNIVERSITY OF MAINE
ORONO, MAINE, 1916

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**Letter of Transmissal from the President of the Board
of Trustees**

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 transmit to you the annual report of the university for the year ending June 30, 1916.

Respectfully submitted,

S. W. GOULD,

President of the Board of Trustees

To the Board of Trustees of the University of Maine.—

It is my privilege and pleasure to present to you my sixth annual report. In this report I attempt to set forth important matters connected with the present condition of the institution and to forecast in some measure the needs of the immediate future.

GENERAL MATTERS

The attendance for the year closing June 30, 1916, was very satisfactory. The students were distributed as follows: graduate students, 46; College of Agriculture, 331; College of Arts and Sciences, 343; College of Law, 101; College of Technology, 448; making a total attendance for the year of 1,269. It is gratifying to note the number of graduate students and also the satisfactory growth in the attendance at the College of Agriculture and the College of Arts and Sciences.

During the past year, the health of the student body has been unusually good. The same may be said of the members of the faculty. Arrangements have already been made for the coming year to give more careful attention to problems of health of the student body. This work will be under the direct charge of Dr. William J. Young, Professor of Physical Culture.

Students and alumni as well as citizens of the State were saddened by the death of Dr. Merritt C. Fernald which occurred January 8 of this year. He had been connected with the institution from its opening in 1868. His entire life was devoted to the interests of the University of Maine. Many of the best things we have are due directly to his foresight, wisdom, and judgment. The last year of his life was spent in writing the history of the institution which he so dearly loved. The manuscript was completed but a few weeks before his death. The history has been published and has met with universal favor by alumni and friends of the institution. The value of this accurate account of the institution written from first hand knowledge can hardly be estimated.

By the death of William A. Martin, of Houlton, the Board of Trustees lost a most valuable member, the State a citizen of unusual importance, and the University one of its best friends. Mr. Martin had a broad grasp of public affairs and showed rare good judgment in all he did. His services to the University of Maine will always be remembered and his memory treasured.

The faculty of the University of Maine is cosmopolitan in character. In study and teaching experience it represents a large number of American and European colleges and universities. The past year has been one of splendid cooperation and devotion to duty. It is unfortunate that our finances have not permitted increases in salary to keep pace with the increased

cost of living. Our scale of salaries is lower than that of other institutions of the same class and standing. As a result of this, we lose from year to year many very desirable teachers. I believe that we are entitled to the best. In order to secure the best, it will be necessary for us to spend a larger amount of money for instruction.

Dean Hart has made some interesting studies of our admission records. These studies are of particular interest and value because they give some indication of the results of our new entrance method by which we admit students from Class A Maine schools upon their record. In 1915, 345 regular freshmen were admitted with an average of 15 units each. Of these, 119 had some conditions; that is, they did not satisfy all the admission units required for the curriculum they intended to pursue. Of these, 54 were conditioned only in solid geometry. The number of first year specials was only 12, which is practically negligible. It is rather interesting to note that nearly 83 per cent. of the freshmen came from Maine schools. They represented 103 different schools, and 85 of them came from 52 schools that sent no students in 1910 or 1911. This would seem to indicate that the need of higher education is being felt in every part of the State and that the influence of the university is widely distributed.

The study of freshman grades covering a number of years shows that the average results for 1913 and 1914 are some better than for 1910 and 1911, the last two years before entering upon our present plan of admission. The results for 1915 are slightly better than for the preceding years. A study of grades with reference to the schools from which the students came shows that the size of the school apparently has but little influence. From two and three teacher schools, 62 per cent. of the students made grades of A, B, and C. From four and five teacher schools and six or more teacher schools, satisfactory grades were made by 65.8 per cent. and 66.5 per cent. of the students respectively.

It is to be expected that when the entrance to the university from the high school is made as easy as it is from the grammar school to the high school, the mortality of freshmen will be thereby increased; that is, the percentage of freshmen who become sophomores will be lowered. We find that we lose about 35 per cent. This is considerably lower than some state universities and higher than others. The average for eighteen large state universities is 31 per cent. There is nothing alarming in this loss. The young men and women have found that because of distaste for higher education, poor health, lack of preparation, or shortage of money they cannot continue the work. Most of them have profited by the experience.

In the summer of 1915, the University installed a modern

printing outfit. This has proved to be a great convenience. The addition this summer of a good linotype machine makes it possible for the University Press to handle all our printing in the future.

For a number of years, the need of more attention to music has been apparent. Under the direction of Professor G. W. Thompson, Professor Drummond, and Mr. Floyd, the student music organizations have done good work. For the coming year, Mr. A. W. Sprague has been secured as Director of Music. He will coach the various musical clubs, direct the chapel music and give two courses in Music.

Balentine Hall, the new dormitory for women, is now completed. It is a splendid building, conveniently arranged, and well adapted as a home for women students. It will accommodate comfortably about 115 students.

The heating plant has been improved by an addition to the boiler room, the installation of another 150 horsepower boiler, the building of a fan room, the installation of a modern induced draft system, and the construction of about 800 feet of tunnel for the main lines of heat pipes.

COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences is having a very healthy growth. It is maintaining high standards for its own students and doing most excellent work in the subjects that are required by the students in other colleges. Its growth and the development of graduate work from this college as a center is doing much to give to the institution a true university atmosphere.

The establishment of a curriculum leading to the degree of Bachelor of Pedagogy for normal school graduates has proved a distinct success. Four students have already been granted the degree. The indications are that many students will register for this work in the future.

Arrangements have been made with the Superintendent of Public Schools of the State by which a curriculum leading to the degree of Bachelor of Arts may, at the same time, lead to a professional secondary certificate. Students looking forward to this result are expected to register for a liberal amount of work in both major and minor subjects and to complete 12 hours in the Department of Education. It is believed that this arrangement will increase the number of students who expect to make teaching a profession.

For several years, the College of Arts and Sciences has maintained a teachers' registration bureau. In this bureau, students expecting to teach or graduates already teaching are urged to register. Already school officials in various parts of the State are making use of this bureau to fill vacancies in

their teaching forces. It is hoped that through this bureau and the increased work offered for the preparation of teachers, the university may render a real service to education in the State.

For many years, the College of Arts and Sciences, under the patronage of the university, has maintained a Summer Term. The students in this Term are made up of those working for degrees, both bachelor's and master's, and of teachers. The attendance has not been as large as it should be. It has, however, been made up of very earnest and representative men and women. We hope that the number of students may increase. We have the facilities to take care of many more than now come. Those who do come are invariably enthusiastic in their appreciation of the opportunities offered and the instruction received. The Summer Term has proven to be a good feeder for the regular college year.

COLLEGE OF AGRICULTURE.

The attendance in the College of Agriculture shows an increase of approximately 10 per cent. over the preceding year. The students come from all parts of the State. The graduates practically all continue in some sort of agricultural work, either as farmers for themselves, managers of farms for others, extension workers, teachers in agricultural departments of secondary schools and colleges, or investigators in experiment stations. Our record is one of which we may justly be proud.

The Department of Home Economics is growing in importance and popularity. A number of new courses have been added and old courses strengthened. The two-year course has been discontinued. This step was taken not because of lack of students, but for the reason that it appeared impracticable to provide in a two-year course adequate training for teaching home economics in the public schools of the State. A special building for this department is one of the needs of the near future.

The Department of Horticulture has strengthened its work by the addition of new courses. Considerable work is now being done in floriculture and gardening under glass. The work in vegetable gardening and small fruit culture is making good progress. The imperative need of this department is a large, new, and modern greenhouse.

The Department of Animal Industry is doing excellent work. A number of new and important courses will be added as soon as a new dairy building furnishing space and equipment is provided.

Agriculture has grown so in popularity that a good many young men without farm experience enter the college as students. They are usually in earnest and are anxious to secure accurate knowledge of agriculture in all its departments. It

has been decided that all candidates for the degree of Bachelor of Science in the College of Agriculture and for the certificate in the two-year course in agriculture must possess a working knowledge of farm operations so as to be familiar with what is commonly known as "farm practice." The details of the plan for carrying this out will be worked out the coming year.

Farmers' Week was unusually successful. Over 400 men and women were in attendance representing every county in the State. Every one seemed to be greatly pleased with the program, while the women in attendance were especially well pleased with the work offered by the Department of Home Economics. This work consisted of lectures and actual practice in sewing and cookery. The hearty cooperation of many of the agricultural organizations of the State helps to make Farmers' Week successful. Plans are now under way for closer cooperation and still greater help another year.

The increase in herds and flocks necessary for efficient teaching purposes and also for furnishing products for university dormitories has made it necessary to increase the cultivated areas on the farm. To meet this need, a definite project of clearing about 30 acres has been undertaken. Eight acres were cleared in 1914 and 16 in 1915. Grazing crops are now grown on this land and very soon the entire area will be ready for cultivated crops.

The new dairy barns authorized by the Legislature of 1914 are now practically completed. They are modern, sanitary, and convenient, both for commercial and teaching purposes. One of the old cattle barns was moved and utilized for storage in the new plant. The other has been made into a comfortable and convenient horse barn.

The Agricultural Extension work is well organized and is giving service of great value in all parts of the State. At present, county agents are in Cumberland, Franklin, Hancock, Kennebec, Oxford, Penobscot, Piscataquis, Sagadahoc and Androscoggin, Washington, and York. For the coming year, the counties of Knox and Somerset will be added. For the year ending June 30, 1916, there was spent for extension work the following amounts:

Federal Smith-Lever funds.....	\$14,388.28
State Smith-Lever funds.....	4,389.00
General Education Board funds.....	21,000.00
University of Maine.....	2,600.00

\$42,377.28

For the year ending June 30, 1917, the following amounts are available:

Federal Smith-Lever funds.....	\$18,045.18
State Smith-Lever funds.....	8,047.00
U. S. Dept. of Agriculture.....	5,500.00
General Education Board.....	21,500.00
University of Maine.....	2,600.00
	<hr/>
	\$55,692.18

During the year 1914-15, the extension department gave 668 lectures, listened to by 42,830 people. In 1915-16, the number of lectures were 1,620, listened to by 105,380 people. Fifty-eight extension schools were held during the past year with a registration of 354 different people and a total attendance of 767. Economic production demonstrations were carried on at 392 farms and farm management demonstrations at 470 farms. The number of boys and girls enrolled in the club work has increased fivefold during the past year.

If the work in the College of Agriculture is to continue to grow and maintain its high standard, certain definite needs must be met. These are a new dairy building, new greenhouses, and a machinery building.

The present dairy building was erected more than twenty-five years ago when there were but few students in the College of Agriculture. At the present time, it is entirely too small to meet the needs of the students taking dairy courses. It is impossible to organize and carry on new courses in dairy subjects that we ought to develop. The importance of dairying to the State makes it almost absolutely necessary that we have the needed equipment.

The present greenhouses were erected about twenty-five years ago. They have already served for a longer period than the life of the commercial greenhouse. The space provided is not great enough to meet the needs of the Horticultural Department alone, to say nothing of meeting the needs of the Departments of Agronomy, Forestry, and Bacteriology. The subject of horticulture is one of interest to all the people of the State. We ought to have the equipment necessary to do work equal to the best.

The college has no particular place for the display and exhibition of farm machinery. Many manufacturers would be glad to loan the university machinery and equipment for class-work and display purposes if we had the proper housing facilities. A machinery building would not be expensive. It would, however, meet a very great and urgent need.

COLLEGE OF TECHNOLOGY

The College of Technology still maintains its place as first among the colleges of the University in point of student enrollment. The demand for technically trained men in the various lines of engineering is great enough to insure the continued growth and prosperity of this college.

The Department of Chemistry has developed courses in pulp and paper work which have attracted wide interest. The Department of Electrical Engineering has installed an excellent wireless station of commercial size which is proving to be a great asset in the study of wireless telegraphy. The Department of Mechanical Engineering under the lead of Professor W. J. Sweetser, who came from the Case School of Applied Science, is making admirable progress. The Department of Pharmacy because of the advanced requirements for admission has been able to raise its standard. It now gives the degree of Graduate in Pharmacy for two years of work, Pharmaceutical Chemist for three years of work, and Bachelor of Science (in Pharmacy) for the regular four-year curriculum. During the past year, bulletins have been sent to the various drug clerks in Maine and it is hoped that before long a very close alliance will be formed between the university and the profession of pharmacy. The Department of Civil Engineering has increased its equipment by the addition of a large modern and well-lighted drafting room on the second floor of Wingate Hall.

Quite a good beginning has been made in technology extension work. In 1915, classes were held in Bangor and Derby, and lectures were given elsewhere before a number of organizations. In 1916, classes were held in Waterville and Lewiston in electricity and drawing. The interest shown in this work is marked and encouraging. Calls have been made asking for the organization of classes in other towns and for work in other subjects than those mentioned. For the coming year, an instructor has been engaged who will devote his entire time to the work in engineering extension. The demand for this work is likely to grow far more rapidly than the University will be able to meet. It is believed that the people who are engaged in manufacturing have as good a right to receive help from the university in their problems as have the men who are engaged in agricultural pursuits. It will certainly be good policy for the university to meet this demand as rapidly as possible.

In June, 1915, the Board of Trustees authorized the organization of an technology experiment station. The object of the station is to carry on practical research in technical subjects, make investigations for State boards and municipal authorities, and furnish scientific information to the industries of the State.

Only a limited amount of work can be done until funds are available to cover expenses. During the past year, two bulletins have been issued and two more will be printed early this autumn. There is now before the Congress of the United States, Senate Bill 4874, which, if it becomes a law, will provide \$15,000 a year for engineering experiment work in each state.

The cooperation of the College of Technology with the various State commissions is going steadily forward. The road materials testing laboratory has been in almost steady operation since September 1, 1914. A part of the time it is used for teaching purposes and the remainder of the time in work for the State Highway Commission. Some work has been done for the City of Bangor and also some for private individuals. Charges are made only to the latter. The Highway Commission has called upon the college for a considerable amount of work in connection with the bridges of the State. An attempt is being made to put the design of these bridges upon a higher plane and to create the same standard of excellence as in other states where organized effort has prevailed. At the present time, all of the steel highway bridges built by the State Highway Commission are checked and approved by the department of Civil Engineering.

This college needs at the present time large appropriations for equipment. Improvements and new inventions make much of the old equipment out of date and practically useless. The Mechanical Engineering Department is greatly in need of additional space. This could be provided by the building of one unit of a mechanical engineering building. As soon as at all practicable, we should have a complete hydraulic laboratory. Our State ranks third in the Union in the development of water power, with possibilities of three times the present development being made. The State's College of Technology should have a laboratory and power station in keeping with the possibilities of the State in order that it may lead in making these possibilities realities.

COLLEGE OF LAW

During the past year, the number of students in attendance at the College of Law was 101 as against 94 the preceding year. The students for the past year represented the following states and countries: Maine, 81; Massachusetts, 10; Connecticut, 1; New Hampshire, 4; Vermont, 2; New York, 2; Turkey, 1. All the counties in Maine except Franklin and Lincoln were represented. At Commencement in 1916, the degree of LL.B. was conferred upon 22 as against 14 the preceding year.

The Maine Law Review which has completed its ninth volume is a very creditable publication. It is managed and edited by students in the College of Law. Its articles upon subjects

of professional interest have attracted favorable attention all over the country.

By action of the Board of Trustees, the new entrance requirements for the College of Law, beginning with the year 1916-17, are as follows:

Regular Students. Students who enter as candidates for degrees must present credentials showing the completion of at least two full years of work in an approved college or university. An approved college or university will be understood to mean a college or university which requires at least 14 Carnegie units for entrance, which offers facilities for good college work, and which maintains acceptable standards.

Special Students. Special students will be admitted only when they satisfy the following requirements: They must be at least 21 years of age; they must appear personally before a committee consisting of the President of the University and the Deans of the Colleges, and satisfy this committee that they have the maturity and mental training that will qualify them to do acceptably the work required of regular students.

It is believed that the new entrance requirements will make the standard of our College of Law equal to that of the best schools in the country. It may happen, however, that the attendance for a few years will be decreased in consequence.

LIBRARY

The total number of volumes in the libraries June 30, 1916 are:

General Library.....	49,453
Law Library.....	4,947
Experiment Station Library.....	4,465
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Total	58,865

The total increase in the last two years has been 4,949. The use of the Library has increased rapidly. During the past two years, 22,510 volumes have been withdrawn from the stacks for circulation. This is an increase of about 15 per cent. over the two years previous. The use of books in the library from the reserved list and the consultation of reference books has increased very greatly indeed.

The lack of available money has made it impossible for the past two years to make the needed addition of books to the Library. There should be at least \$5,000 a year available for the purchase of books.

The Library building which was built ten years ago and was planned to furnish accommodation for a like period, is now becoming greatly crowded. Additional space is needed for storage of books and a much larger reading room is demanded. Means should be found very soon for the enlargement of this building.

MILITARY

Military instruction is required of all first and second year students. This is a requirement of the Federal government. During the past two years, much desirable progress has been made in improving instruction and increasing the interest of the students in the work.

Lieut. F. S. Clark, who has been in charge of the work, has organized advanced courses for juniors and seniors. These courses are proving popular and are being elected by considerable numbers.

Under the provisions of the new military bill, the University will be entitled to the detail of two commissioned officers for the purpose of military instruction. It is hoped that the additional officer may be detailed early this coming year. We are also entitled to the organization of a machine gun squad. The application has already been made for this and it is hoped that early in the year the equipment for it will be received.

There is very urgent need for a large armory, so that efficient work may be carried on throughout the year.

PHYSICAL CULTURE

Regular and systematic physical exercise is required of all first year students, both men and women. Considerable work of an advanced character is offered and may be elected by members of the upper classes.

College sports, both intramural and intercollegiate, are fostered and encouraged. We hope to have every student get some wholesome exercise by participation in a sport that is personally enjoyed. Work to this end will receive greater emphasis in the future than in the past.

The varsity teams in football, baseball, track, and cross country have made good records and brought deserved credit to the university by their many victories. We hope for the future to maintain high standards, develop a keener appreciation of true sport, and win our share of victories.

AGRICULTURAL EXPERIMENT STATION

The Agricultural Experiment Station is under the direct control of the University. Its expenses, however, are borne in the main by the Federal government. Under the provision of the Hatch and Adams act, \$30,000 per year is received for the Experiment Station work.

The Maine Station, under the provision of the laws of the State, makes the inspections of agricultural seeds, commercial feeding stuffs, commercial fertilizers, drugs, foods (including

milk and other dairy products), fungicides and insecticides collected under the direction of the Commissioner of Agriculture. The results of the examinations and analyses are published. During the past year, eight numbers of "Official Inspections" amounting to 256 pages were printed.

The main work of the Agricultural Experiment Station is in making investigations of questions connected with agricultural activities. Investigations in dairying and breeding are carried on in cooperation with the College of Agriculture and also with farmers throughout the State. Definite experiments in orcharding, plant breeding, and crop growing are carried out on the experiment farms at Monmouth and Presque Isle. The investigation of plant diseases, particularly those that attack the apple and the potato, the latter in cooperation with the Bureau of Plant Industry of the United States Department of Agriculture, should give results of great value. In the Department of Entomology, a special summer staff of experts from various universities is employed. Very satisfactory results have been obtained and much useful data is being accumulated. Important plant breeding experiments with oats, wheat, corn, and beans, and to some extent with grasses are conducted at both farms. General field experiments with potatoes are being continued at Aroostook Farm.

The work of the station is closely related to the agricultural development of the State. Its aim is to find out the truth and then to publish it for the benefit of the people who may profit by it.

SUMMARY OF NEEDS

1. A very considerable increase in the annual appropriation for maintenance.
2. A modern and convenient administration building.
3. A new horticultural building and greenhouse.
4. A new and large dairy building.
5. One unit of a new mechanical laboratory.
6. A farm machinery building.
7. A large armory.

Respectfully submitted,

ROBERT J. ALEY,

President University of Maine.

EXPLANATORY NOTE

In preparing this report, the President used freely the matter contained in communications made to him by Deans Hart, Boardman, Merrill, Stevens, and Walz, Director Woods, Registrar Gannett, and Librarian Jones. Due credit to each of these officials is hereby given.

TREASURER'S REPORT

15

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

I have the honor to present my report as Treasurer of the University of Maine for the fiscal year ending June 30, 1916:

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	1,531 34	
Kidder Scholarship Fund	Schedule B	750 00	\$254,331 34
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Lands and Buildings	Schedule C		713,778 29
Inventories	Schedule D		262,712 73
Accounts Receivable	Schedule E		15,235 59
Appropriation, State of Maine	Schedule F		6,691 56
Bills Receivable	Schedule G		2,295 21
Cash on hand, June 30, 1916			7,208 99
<hr/>			
			\$1,262,253 71

LIABILITIES

Trust Funds:

Coburn Trust Fund		\$100,000 00	
U. S. Land Scrip Fund		118,300 00	
Levi M. Stewart Fund		20,000 00	
David D. Stewart Fund		13,750 00	
Nehemiah Kittredge Loan Fund		1,531 34	
Kidder Scholarship Fund		750 00	\$254,331 34
<hr/>			
Bills Payable	Schedule I		62,000 00
Accounts Payable	Schedule J		70,745 86
Surplus			875,176 51
<hr/>			
			\$1,262,253 71

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 cent. 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, 1899, due July 1, 1915, bearing interest at 5 per cent. per annum, of the par value of \$118,300.00

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, 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.

The 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 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:

Thirty one (31) promissory notes, signed by present and former students of the University, aggregating, exclusive of accrued interest, \$1,446.92
On Deposit in Bangor Savings Bank—Book No. 45602 84.42

\$1,531.34

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 per book No. 45603.

SCHEDULE C—ASSETS**Lands and Buildings:**

Alumni Field (Structures only)	\$ 1,000.00
Alumni Hall	33,979.80
Aubert Hall	78,370.99
Balentine Hall (not fully completed)	64,031.69
Balentine Hall Annex	4,925.73
Campus and Farm Lands	11,000.00
Carnegie Library	50,985.06
Carpenter Shop	2,491.43
Coburn Hall	28,203.80
Estabrooke Hall	6,000.00
Faculty Houses	26,235.65
Farm Buildings	26,245.40
Fernald Hall	30,000.00
Hannibal Hamlin Hall	55,707.62
Heating Plant	63,875.57
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
New Barns (not fully completed)	19,285.41
North Hall	3,500.00
Oak Hall	40,000.00
Observatory	500.00
Old Pumping Station	1,200.00
Power House	1,000.00
Printing Plant	1,481.45
Stewart Hall	33,750.00
Stock Judging Pavilion	4,292.46
Store House	500.00
Waiting Room	226.97
Wingate Hall	25,143.93
Winslow Hall	45,207.85
Woodward Farm	3,000.00
	<hr/>
	\$713,778.29

SCHEDULE D—ASSETS

Inventories:

Advertising	\$ 165.77
Balentine Hall	2,365.29
Biology	10,639.46
Care of Buildings	361.25
Commencement	563.04
Chemistry	26,477.70
Civil Engineering	8,618.45
Commons	1,936.43
College of Agriculture	
Postage, Printing & Stationery	83.75
Sundry Supplies & Misc.	1,848.25
Equipment	25,039.79
Cows	6,154.00
Horses	2,535.00
Poultry	1,095.35
Other Live Stock	980.00
Feed	1,162.05
Fertilizer, Seeds etc.	300.07
Diplomas	333.52
Electrical Engineering	9,146.08
English	211.50
Furniture & Fixtures	8,657.28
Greek & Classical Archeology	1,406.60
Grounds	100.65
Hannibal Hamlin Hall	2,074.18
History	30.50
Hospital	68.60
Inn	2,616.61
Insurance	762.18
Latin	20.90
Laundry	230.50
Law—College of	1,314.25
Law Library	12,165.78
Library	64,891.72
Locker Account	804.80
Mathematics & Astronomy	4,007.50
Mechanical Engineering	22,800.70
Mechanics & Drawing	1,680.70
Military Science	502.75
Mount Vernon House	1,438.41

Forward

\$225,591.36

SCHEDULE D—(Continued)—ASSETS.

Forward	\$225,591.36
Museum	10,996.19
North Hall	1,413.98
Oak Hall	1,367.10
Office Supplies & Postage	519.00
Pharmacy	667.90
Philosophy	297.35
Physical Training	1,678.21
Physics	8,637.74
Power, Heat, Light & Water:	
Supplies	1,658.60
Coal	4,004.25
Repairs to Buildings	2,592.71
University Press	3,288.34
	<hr/>
	\$262,712.73

SCHEDULE E—ASSETS

Accounts Receivable:

Representing funds due the University
as follows:

Students' Accounts	\$ 1,068.94
Maine Agricultural Experiment Station	10,002.79
Other General Ledger Accounts	4,163.86
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	\$15,235.59

SCHEDULE F—ASSETS

State of Maine—Appropriations:

Amount due the University, under the pro-
visions of the laws of 1915, and unpaid,
as follows:

Appropriation for New Barns	\$ 329.50
Appropriation for the completion of Dormitory for women	6,362.06
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	\$6,691.56

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	\$2,295.21
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SCHEDULE H—ASSETS

Cash Balance, June 30, 1916:

On Deposit, Merrill Trust Company, Bangor, Me.	\$4,909.49
On Deposit, Old Town Trust Company, Orono, Me.	88.81
Cash Drawer	2,210.69
	<hr/>
	\$7,208.99
Cash on hand, June 30, 1915	\$ 1,876.89
Total Receipts for year	562,187.01
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	\$564,063.90
Less total disbursements for year	556,854.91
	<hr/>
	\$ 7,208.99

SCHEDULE I—LIABILITIES

Bills Payable:

Note No. 32 Merrill Trust Co., Bangor, Me., Demand	\$15,000.00
33 Merrill Trust Co., Bangor, Me., Demand	5,000.00
34 Merrill Trust Co., Bangor, Me., Demand	7,000.00
35 Merrill Trust Co., Bangor, Me., Demand	5,000.00
36 Merrill Trust Co., Bangor, Me., Demand	15,000.00
37 Merrill Trust Co., Bangor, Me., Demand	15,000.00
	<hr/>
	\$62,000.00

SCHEDULE J—LIABILITIES

Accounts Payable:

Audited Vouchers	\$39,483.11
Levi M. Stewart Fund Loan	20,000.00
State of Maine, Advance by State Treasurer on account of Maintenance Appropriation	9,750.00
Summer Term, 1916	1,331.25
Key Deposit Account	135.00
Thesis Binding	29.25
W. C. Lane	5.00
N. C. Sherwood	3.00
Maine Christian Asso.	9.25
	<hr/>
	\$70,745.86

STATEMENT SHOWING INCOME FROM
ALL SOURCES**Income from Students:**

Registration fees		\$10,215.00	
Tuition fees, General	\$34,553.45		
Tuition fees, College of Law	7,390.00	41,943.45	
Incidental fees		19,880.00	
Special fees for late regis- tration, diplomas etc.		1,037.80	
For Dormitories		9,751.26	82,827.51

Income from Investments:

Endowments for general purposes (Coburn)	4,000.00		
Rents	1,745.04	5,745.04	

Income from Grants by State and Nation:

State—

Appropriation for Maintenance	122,500.00		
Appropriation for Womens Dormitory	30,000.00		
Appropriation for New Barns	18,750.00		
Appropriation for Cooperative Agri- culture	4,389.00		

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		
Cooperative Agriculture (Smith-Lever Fund) Act of May 8, 1914	14,388.28	245,942.28	

Income from Departments:

University Press	389.04		
Law Library	547.10		
Museum	21.15		
Greek & Classical Archeology	11.20	968.49	

Income from Other Sources:

College General, Laboratory fees	7,850.12		
College of Agriculture, Laboratory fees	2,101.21		
College of Agriculture, Sundry Sales	10,233.25		
College of Agriculture, Equipment	671.32		
College of Agriculture, Cows	69.00		
College of Agriculture, Other Live Stock	318.00		
College of Agriculture, Wood Account	575.77		
Board of Students, Summer Term 1915	238.70	22,057.37	

\$357,540.69

STATEMENT SHOWING TOTAL EXPENDITURES—

Salaries:

Salaries of Officers	\$ 11,741.60	
Salaries of Instructors	154,292.88	\$166,034.48

Administration Expenses:

Advertising	434.68	
Clerk Hire	5,474.73	
Commencement	464.32	
Freight & Express	1,716.61	
Office Supplies	2,418.58	
Telephone & Telegraph	746.48	
Traveling Expenses	605.92	
Interest & Discount	1,773.24	
Printing & Binding	9,259.34	
Miscellaneous	708.63	23,602.53

Maintenance of Property:

Repairs to Buildings	7,566.91	
Care of Buildings	7,887.85	
Furnishings & Fixtures	1,078.59	
Insurance	2,079.19	
Grounds	2,979.43	21,591.97

Power, Heat, Light & Water:

Labor	7,474.71	
Supplies	7,088.62	
Electricity	2,756.75	
Coal	11,991.13	
Freight & Express	351.56	
Water	1,698.52	31,361.29

Department Expenses:

Civil Engineering	1,952.37	
Electrical Engineering	529.79	
College of Law	2,693.35	
Library	2,498.79	
Mathematics & Astronomy	248.50	
Mechanical Engineering	3,059.96	

Forward

\$10,982.76\$242,590.27

STATEMENT SHOWING TOTAL EXPENDITURES

Continued.

Forward	\$10,982.76	\$242,590.27
Mechanics & Drawing	401.95	
Military Science	358.50	
Physical Training	567.80	
Latin	3.65	
English	78.24	
History	4.75	
Economics & Sociology	15.21	
Philosophy	9.66	
Biology	899.98	
Chemistry	1,350.94	
Pharmacy	403.59	
Physics	623.66	
Technology Extension	254.02	
Public Speaking	7.00	
College of Agriculture:		
Pay of Employees	10,661.52	
Horses	150.00	
Poultry	1,284.60	
Feed	6,043.60	
Hay & Straw	108.52	
Fertilizer, Seeds etc.	1,016.09	
Sundry Supplies & Misc.	3,508.82	
Traveling Expenses	2,088.57	
Postage, Printing & Stationery	1,422.29	
Freight & Express	673.45	
Forestry	56.19	
Farmers' Week	142.56	
Moving Barn	612.61	
Extension Work (Smith- Lever Fund)	18,777.28	62,512.81
House Charges:		
University Inn	16.63	
Mount Vernon House Annex No. 1.	268.78	285.41
Sundry Accounts:		
Prizes	135.00	
Thesis Binding	1.40	
Summer Term, 1915	1,810.82	
Profit & Loss	340.42	2,287.64
		<hr/>
		\$307,676.13
Surplus		49,864.56
		<hr/>
		\$357,540.69

STATEMENT SHOWING HOW SURPLUS WAS
EMPLOYED

Increased Assets:

Plant—

Aubert Hall	\$ 20.00	
Balentine Hall	40,148.89	
Farm Buildings	19,575.67	
Heating Plant	5,320.65	
Printing Plant (Old Art Guild)	581.45	\$65,646.66

Inventories, increased	12,462.65	
Amount due from State, increased	441.56	
Bills Receivable, increased	295.11	
Accounts Payable, decreased	4,096.03	
Cash on hand, increased	5,332.10	
		<u>\$88,274.11</u>

LESS

Bills Payable, increased	\$28,000.00	
Accounts Receivable, decreased	10,409.55	38,409.55
		<u>\$49,864.56</u>

MAINE AGRICULTURAL EXPERIMENT STATION.

Statement showing Receipts and Expenditures

July 1, 1915 to June 30, 1916, inclusive.

	BALANCE JUNE 30, 1915	RECEIPTS	Expenditures	BALANCE JUNE 30, 1916
Adams Fund	\$	\$ 15,000.00	\$ 15,000.00	\$
Hatch Fund.....	\$	\$ 15,000.00	\$ 15,000.00	\$
General Fund.....	\$ 317.72*	\$ 10,004.87	\$ 9,443.91	\$ 243.24
Inspection Analysis.....	\$ 3,193.44*	\$ 13,945.13	\$ 12,674.52	\$ 1,922.83*
Inspection Analysis Receipts	\$ 16.80	\$ 541.07	\$ 496.55	\$ 61.32
Animal Husbandry Account..	\$	\$ 5,000.00	\$ 5,000.00
Aroostook Farm.....	\$ 6,777.28*	\$ 9,806.21	\$ 6,614.90	\$ 3,585.97*
Sheep Account	\$ 1,207.48*	\$ 1,299.75	\$ 814.27	\$ 722.00*

*Deficit Balance

Respectfully submitted,

CHARLES J. DUNN,

Treasurer University of Maine