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ENTH  
BIENNIAL REPORT  
OF THE REGENTS  
UNIVERSITY OF COLORADO.

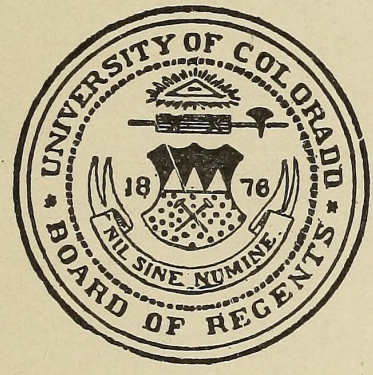


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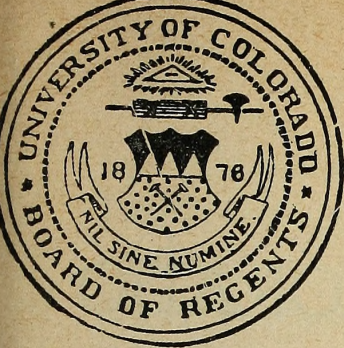
UNIVERSITY OF ILLINOIS

PRESIDENT'S OFFICE.



1898.





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BIENNIAL REPORT

OF THE

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REGENTS

OF THE

UNIVERSITY OF COLORADO.

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BOULDER, OCTOBER 1, 1898.

# UNIVERSITY OF COLORADO

## BOULDER.

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*To the State Superintendent of Public Instruction, Colorado, and to the Twelfth General Assembly:*

The Eleventh Biennial Report, 1896-1898, of the State University, is herewith presented by the Regents.

During the period covered by this report, in all ways the growth of the University has been substantial. There has been a marked development not only in numbers, but in all that pertains to standards, equipment, efficiency and influence. The grade of students in all departments this year is favorably noted, and the superior preparation of a large per cent. of those entering the schools of Law and Medicine is encouraging.

The attendance of the University proper has increased sixfold in six years, that of the Preparatory School threefold, and that of the University as a whole more than fourfold. The development of the University during the past six years may be marked by the following: The organization of the Preparatory School as a distinct department in a building by itself, and securing the coöperation of the City of Boulder in its support; the establishment of a Law School; the reorganization of the Medical School; the opening of the School of Applied Science; addition of professors in the College; organization of Graduate Courses; opening of an allied School of Music; donation of an Art Collection; donation of a very valuable Mineral Collection; large increase of Library and Apparatus; completion of Hale

Scientific Building; construction of central Heating Plant; erection of an Engineering Building, Chemistry Building, Gymnasium, wing of Medical Building, Hospital; extensive improvements of grounds and buildings, including new stable; increase in revenue; closer connection with the High Schools throughout the State; coöperation of the press and citizens; beginning of denominational coöperation near the University; improvement in curricula, in efficiency, standards, reputation and influence at home and abroad.

### DEPARTMENTS OF THE UNIVERSITY.

College of Liberal Arts.	{	Classical Course, leading to the degree B.A.
		Philosophical Course, leading to the degree B.Ph.
		Scientific Course, leading to the degree B.S.

Graduate Courses, leading to the degrees M.A., M.S. and Ph.D.

Colorado School of Applied Science.	{	Civil Engineering, leading to the degree B.S. (C.E.)
		Electrical Engineering, leading to the degree B.S. (E.E.)

Colorado School of Medicine.

Colorado School of Law.

Colorado State Preparatory School, conducted by the University.

## ATTENDANCE.

The subjoined table shows the growth in attendance during the past few years:

Years.	Univ. Students.	Prep. Students.	Total.
1891-2	66	103	169
1892-3	129	158	287
1893-4	159	146	305
1894-5	204	192	396
1895-6	267	242	509
1896-7	324	276	600
1897-8	337	273	610
1898-9	400 (estimated)	300 (estimated)	700

The register of the Graduates now shows the following figures:

College of Liberal Arts.....	124
Graduate Courses.....	16
Colorado School of Applied Science.....	4
Colorado School of Medicine.....	78
Colorado School of Law.....	43
Honorary Degrees.....	9
	274
Colorado State Preparatory School.....	250
	524

## GRADUATE COURSES.

Some notes from the new rules of the Graduate Department are presented:

The Faculty of the Graduate Department consists of full professors in the College of Liberal Arts and others engaged in graduate instruction. One year's residence is the minimum time allowed for the Master's degree, and three years' residence for the Doctor's degree. The final steps for obtaining a Master's or a Doctor's degree are as follows: 1. The candidate submits his thesis to the professor in charge of his major subject,

who reports upon it in writing to the Graduate Committee. 2. The candidate undergoes private written examinations by his instructors, who report to the Graduate Committee. The Graduate Committee then recommend for final examination. 3. The Graduate Committee appoint for each final examination an Examining Committee. The examination is under the direction of this committee so appointed; it is oral and open to members of the University Faculties; it is not to exceed three hours. 4. The candidate reads and defends his thesis before the Graduate Faculty; the result is part of the final examination. 5. The Graduate Committee and the Examining Committee together by a majority vote determine the results of the examination and report the same to the Graduate Faculty. The Graduate Faculty recommend for a degree by a majority vote.

The aim of the Graduate Department is a standard that will be recognized by the best universities, hence its growth is carefully guarded. The Doctor's degree is not conferred for mere faithfulness in the acquisition of knowledge; there must be also the power of scientific production.

The Graduate students last year numbered twenty-nine. The Secretary of the Department, who is responsible for organizing the work and recording the progress of the students, is Professor James A. MacLean.

In 1897 the degree of M.A. was conferred upon Mary Louise Dransfield, B.S.—subject of thesis “Education in New England.” In 1898 the degree of M.S. was conferred upon Arthur Eugene Beardsley, B.S.—subject of thesis “A List of the Protozoa Observed at Greeley.” The degree of M.A. was conferred upon Perley Lamont Clark, B.A.—subject of thesis “The Progressive Secularization of the Public Schools;” Benjamin John Fitz, B.A.—subject of thesis “The Mystery Plays and Their

Relation to Subsequent Literature;" Richard Holmes Powell, Jr., B.A.—subject of thesis "Shakespeare's Theory of Hamlet's Sanity;" James Hixon Van Sickle, B.A.—subject of thesis "Grading and Promotion with Reference to the Individual Needs of Pupils."

## THE COLLEGE OF LIBERAL ARTS.

The attendance in the College has rapidly increased each year; it is 50 per cent. larger than in 1895-6, and has nearly quadrupled since 1891-2. The number of professors, instructors and assistants in the College department is twenty-five.

The curriculum has recently been modified to include group electives. Of the 130 hours necessary for graduation, 35 hours, required, are common to the three courses; 20 hours, required, are characteristic of the particular degree B.A., B.Ph. or B.S.; 50 hours are group electives and 25 hours free electives. Thus nearly half of the College work is prescribed, while the remaining half is elective, but under a plan that secures a large measure of consistency.

By recent recommendation of the College Faculty and vote of the Regents "students in the College of Liberal Arts who aim at both the College degree and the degree of the Law School may so choose their electives, under the direction of the Faculty of the College of Liberal Arts, as to receive one year's credit in the three-years' law course." This arrangement will enable students to complete both the four years' College course and the three years' Law course in six years. The plan is in accord with the tendency in the progressive universities and in the many colleges which provide electives that count for one or two years of Law, Medicine or Theology.



A year ago James E. Russell, Professor of Philosophy and Pedagogy, was called to the Deanship of the Teachers' College, a department of Columbia University, at a salary of \$5,000. In January, 1898, Carl W. Belser, Professor of Latin, died. At the close of the school year William J. Waggener, Professor of Physics, resigned on account of ill health. The University felt deeply the loss of these strong men. To fill the vacancies the following appointments were made: in place of Dr. Russell, Arthur Allin, Ph.D., Berlin, then Professor of Psychology and Pedagogy in the Ohio University; in place of Dr. Belser, Fred B. R. Hellems, Ph.D., University of Chicago; in place of Prof. Waggener, William Duane, Ph.D., Berlin. One year ago Charles C. Ayer, Ph.D., Strassburg, was appointed Professor of Romance Languages. Last semester Prof. John Gardiner, at his own request on account of ill health, was relieved of part of his work, and Francis Ramaley, Ph.D., University of Minnesota, was employed as Assistant Professor, the regular salary of the chair being divided between the two. The Department of Philosophy and Pedagogy has been divided into the Department of Philosophy and the Department of Psychology and Education. Francis Kennedy, Ph.D., Leipsig, has been made Assistant Professor of Philosophy.

The policy of appointing graduate students at a nominal salary as assistants in departments has proved fairly satisfactory. Such assistant position is equivalent to a teaching fellowship.

After some experiments in freedom of student attendance on lectures, the Faculty has appointed a Committee on Attendance with liberal powers. The results of this judicious oversight are very favorable.

The helpful relations with the High Schools of the State have been maintained and strengthened. The in-

crease in number and excellence of the Colorado High Schools is remarkable, and yearly new schools are sending students to the University.

The Department of Pedagogy yearly gives a course of lectures to a large club of teachers in Denver.

### SCHOOL OF APPLIED SCIENCE.

The School of Applied Science has enjoyed a remarkable growth during the past two years, the increase in students being about 110 per cent. The Engineering Building has been completed by the addition of a second story, giving excellent facilities for instruction. The wing formerly used for a gymnasium has been devoted to shop work. The Department of Civil Engineering has this year received a new impetus. The Department of Electrical Engineering has added a new planer, lathes, wattmeters, testing instruments, electro-dynamometers, work benches, tools and small machines. An excellent photometry room, well equipped, has been constructed for the testing of arc and incandescent lamps. Last year an electric motor was constructed by the students in the shop.

The engineering departments need additional machinery, apparatus and books and larger equipment in the shops to accommodate the increased number of students.

All the graduates of the School thus far have secured good and remunerative positions.

### SCHOOL OF MEDICINE.

From September, 1892, to September, 1897, the work of the last two years of the Medical School was conducted in Denver. In June, 1897, the Supreme Court denied to the State University the privilege of conduct-

ing a part of its Medical work in Denver, since which time the entire course has been given at the University.

The courses scheduled in the Medical Department, leading to the degree of Doctor of Medicine, extend through four years of nine months each. The first two years are given to scientific studies as a foundation for medicine. The third year is given to demonstrations, methods of physical diagnosis, and clinics. The fourth year is given to didactic and clinical lectures, and hospital and free dispensary work. In scientific laboratory work the School has recently been made especially strong. The Biological, Anatomical, Chemical and Medical laboratories are large and well equipped. Laboratory courses are given in Qualitative and Organic Chemistry, Histology, Chemical and Experimental Pathology, Bacteriology, Hæmatology, Pathological Histology, Pharmacognosy and Anatomy.

By a liberal subscription of \$8,000 from the County and the City of Boulder, an appropriation of \$5,000 from the Board of Regents and various contributions from citizens, a large three-story Hospital has been erected on grounds adjacent to the campus and near the medical laboratories. This will soon be fitted up in a most complete manner. The location on the bluff overlooking the river, city and surrounding country is unsurpassed in the State. Dr. William H. Riley, Professor of Nervous and Mental Diseases, from his position as Medical Superintendent of the Colorado Sanitarium, is able to furnish many interesting and instructive clinical cases. A free dispensary has been opened in the Medical Building.

Inasmuch as the first year's work in Dentistry is the same as that in Medicine, students of Dentistry who wish to take their first year's work in the University of Colorado can do so with great profit. The Dental Department, which was opened in September, 1896, retained its

organization after the decision in the University case and obtained a new charter under the title of the Colorado College of Dental Surgery. It maintains its loyalty to the University and is a thorough, progressive and flourishing school. William T. Chambers, D.D.S., Denver, is the Dean of the School. The School is located in Denver.

Consequent upon the adoption of the four-year course in 1895 there would regularly be no graduating class in 1898. In view of this fact and of the important arrangements necessary to accommodate the entire school in Boulder, only the first two years' work was given in 1897-8, and only the first three years' work is given in 1898-9. Beginning September, 1899, the full four years' course will be conducted.

The School is now exceptionally well equipped. It is a member of the Association of American Medical Colleges. The large attendance during this, the transition year of the School, surpasses the most hopeful expectations.

### SCHOOL OF LAW.

The advancement and prosperity of the University have been distinctly manifested in the Law School. The increase in attendance in two years is 90 per cent.

Recently the services of Judge John A. Riner, of the Federal Bench of Wyoming, have been secured to deliver a course of lectures on the Law of Criminal Evidence and a second course on International Law.

The standards of instruction and examination have been steadily advanced. The change in the prescribed course of study from two to three years took effect with the class entering in September, 1898. That class is the largest in the history of the Law School.

The Law Library has been largely increased by purchase and by several generous donations of books. An

additional room in the Hale Building has been turned over to the Law School.

The method of instruction is a conservative combination of the time-honored lecture system and the widely approved text-book method with the more recent and perhaps more scientific "case method." In the Colorado School of Law the "case method" is used in a sufficient number of subjects to insure the student the mental development and self-confidence which are thought to be its peculiar and most valuable features. Lectures and quizzes have their place in the School in their distinct field of usefulness.

### PREPARATORY SCHOOL.

During the past two years the State Preparatory School has grown in numbers and efficiency. This year the enrollment will be three hundred and the number of instructors thirteen. For several years it has been the plan of the University to make its Preparatory School second to none. Great care has been taken in selecting instructors. In science the work is in advance of any of the college requirements. The School requires ten per cent. more work in Physics than is required for admission to Harvard. In Greek the students read eight books of Homer, in Latin ten books of Virgil. Modifications have been made in the course of study which are in keeping with the most progressive educational thought.

The Preparatory Building has proved itself well adapted to the requirements of the School. It is thoroughly equipped with physical, chemical and biological laboratories, and the library, started by Mr. McKenzie, is constantly growing.

As stated in the last report, the University pays one-third of all expenses, the City of Boulder the remainder.

## COLORADO SCHOOL OF MUSIC.

The year 1898 opened with the School of Music in far better condition than it has ever been before. The School Board of Boulder offered the use of the Preparatory Building to the School of Music, and this is now its headquarters. The new location has greatly increased the facilities of the school in every direction. Lessons are given in the building and lectures are conducted there. Recitals by instructors or pupils occur every alternate Friday. The assembly room affords an excellent opportunity for evening concerts. A concert-grand piano has been located in the building and placed at the disposal of the pupils.

The School of Music has begun the plan of paying its instructors regular salaries, enabling it to procure the best instruction. The increased attendance, which numbers about eighty this fall, gives promise of an excellent future for the school.

The School of Music is not a department of the University, but is allied with its interests. It is in no way supported by the University.

## BUILDINGS AND GROUNDS.

Among the minor improvements on the University grounds may be noted the removal of the stable and wood yard from their prominent central position and the erection of a new stable on a remote portion of the campus; repairing heating plant and pipe line; extension of stone walks; removal of boiler from Woodbury Hall; extension of water pipes.

The building formerly known as the hospital has been improved by the addition of a wing, which has been equipped as a bacteriology laboratory. The building is now known as the Medical Building. In April, 1898,

three new buildings were completed and dedicated: the Engineering, Gymnasium and Chemistry buildings. Addresses were given by Governor Alva Adams and General Irving Hale. The Chemistry Building is but one wing of a proposed complete structure. The Engineering Building was completed by the addition of a second story. The Gymnasium is entirely new and complete. Work on a new Hospital was begun in June, 1898, but owing to delay in receiving materials the building was not ready for occupancy at the opening of the first semester. The Hospital is being erected at a cost of \$15,000; it will accommodate forty patients. Its location is on the northeast corner of the campus, on the bluff adjoining the river, and is one of the most sightly and beautiful in the region. To extend the hospital grounds, 200 front feet of land were purchased at a cost of \$800. To the fund necessary for the erection of the Hospital, Boulder County contributed \$5,000 and the City of Boulder \$3,000 for specific services to be rendered by the Medical Faculty. In addition the University appropriates \$5,000 and citizens of Boulder contribute the remainder.

The library rooms in the Main Building have been altered so as to afford better accommodations. A new entrance has been made and a former lecture room turned over to the library.

### NEEDS.

Amongst the needs enumerated in the report of 1896 were completion of Engineering Building, wing of new Chemistry Building, addition to Medical Building, Gymnasium, removal of stable and wood yard. Although the money was not provided by the General Assembly, the needs became so imperative that the Regents voted for these purposes a portion of the Permanent Land Fund. With a surprising economy these improvements, including walks, pipe lines and furnishings, were made at

a total cost of about \$30,000. This entire sum, as well as the \$5,000 appropriated from the same source for the Hospital, should be restored to the fund by special legislative appropriation.

The need of a Library Building and of a new Main Building still remains. The erection of a Library Building should be postponed no longer. If the State's finances will not warrant the immediate erection of a Main Building, at least the auditorium of the old building should be extended. Its present crowded condition is hardly endurable.

The need of more books, more apparatus, more instructors remains, a need that can be met only by larger appropriations. In view of the remarkable growth of the University and of the harmful economy now necessarily practiced, the usual appropriation for the University is painfully inadequate. The special fund of \$40,000, in addition to the one-fifth of a mill, voted by the last three General Assemblies for each biennial period, should be doubled.

The University asks of the Legislature, in addition to the one-fifth mill, the following sums for 1899-1901:

For additional support, 1899-1901.....	\$ 80,000
For addition to Auditorium.....	10,000
For Library Building.....	50,000
To restore to the Permanent Land Fund money taken therefrom.....	37,000
	\$177,000

The previous report showed gifts to the University valued in the aggregate at \$27,000. The gifts during the past two years are as follows:

County of Boulder towards Hospital.....	\$ 5,000
City of Boulder towards Hospital.....	3,000
Citizens of Boulder towards Hospital.....	2,000
Dr. Albert L. Bennett, African curios (estimated).	50



D. S. Wakenight, petroleum specimens.....	\$25
Prof. George H. Stone, Cripple Creek ores.....	50
Smithsonian Institute, rock specimens.....	40
J. Hartley, rock specimens.....	3
Prof. Milton Moss, tellurium ores.....	3
Dr. George Burleigh, anatomical chart.....	10
Various contributions, books and charts for pedagogical museum.....	75
Donations to Library, as tabulated below, esti- mated value.....	1,300

## General Library.

	Books.	Pamphlets
James H. Baker.....	100 vols.	
Charles Caverno.....	19 vols.	
Walter H. Nichols.....	84 vols.	43
Nellie Rust.....	93 vols.	
Guy V. Thompson.....	278 vols.	33
Mr. and Mrs. W. H. Thompson.....	99 vols.	
United States Government, various departments .....	600 vols.	400
Maharaja of Jeypore, portfolios of Indian architecture.....	6 vols.	
John Gardiner.....	9 vols.	
Joseph Wolff.....	17 vols.	
Colorado Superintendent of Public Instruction .....	33 vols.	
Rev. Horace L. Wheeler, Le Keux, Memorials of Cambridge, with engraved views; other volumes..	9 vols.	5
Various contributions.....	449 vols.	1,053

## Law Library.

Calvin E. Reed.....	87 vols.	86
Henry F. May.....	158 vols.	
Charles M. Campbell.....	92 vols.	
Colorado Secretary of State.....	34 vols.	
Various contributions.....	2 vols.	

## Medical Library.

Various contributions.....	52 vols.	
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Total .....	2,221 vols.	1,620
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Probably in the measure of good to be accomplished and for perpetuating an honorable name, a gift to the State University is one of the best possible benefactions. Gifts may be made for any of the following purposes:

Building for Christian Associations.  
 Chapel.  
 Ladies' Dormitory.  
 New University Building.  
 Library Building.  
 Building for Law School.  
 Astronomical Observatory.  
 Funds for needy students.  
 Endowment of chairs.  
 Art collections.  
 Library.  
 Apparatus.  
 Improvement of grounds.

## RELATIONS TO THE STATE.

The standing of the University before the people never was so strong as to-day. The relations with the various high and fitting schools yearly bring larger numbers of students to the University, and there is a more general recognition of the worth and promise of Colorado's institution for higher education.

In pursuance of the plan outlined in the last report, the Episcopalians last year initiated work in Boulder for their students in the University by offering a course of lectures on broad religious themes and by forming a club of Episcopalian students. The lectures will be continued the present year. It is the purpose of the church to create a plant of its own near the University, with a view of using the University courses. The Presbyterians last year appointed Rev. William Robson Notman, D.D., as lecturer in Ethics, and he is to continue his work this year by giving, in some building adjacent to the University, lectures on the History and Philosophy of

Religion. This being a scientific and culture course, students electing it will receive credit from the College Faculty. Last year the Baptists and the Christians appointed committees to report upon the question of conducting their higher educational work in the vicinity of the University.

In these days, when a large equipment is absolutely necessary to carry on honestly the work of higher education, this plan appears full of wisdom, since it enlists for a common cause the sympathetic efforts of all the important elements in the State, has a beneficial influence upon the University without in any way hampering its freedom, broadens the interests of the religious denominations, offers them the use of the superior educational advantages which the State affords, and satisfies their demand for denominational instruction and influence. Moreover it insures the success of a great University in the Rocky Mountain region—a success that will mean much to Colorado and will prove a boon to invalid students in every other state in the Union.

### REPORTS SUBMITTED.

We submit herewith the Pay Roll of the University, Treasurer's Report, Report of the University Secretary, Report of the Treasurer of the Medical School, Secretary's Report, Report of the Librarian, and an Inventory of Property.

Respectfully submitted,

THE BOARD OF REGENTS OF THE UNIVERSITY  
OF COLORADO.

	JAMES H. BAKER,
EDWIN J. TEMPLE,	President.
Secretary.	

# APPENDIX.

## PAY ROLL OF THE STATE UNIVERSITY.

(Including Fixed Appropriations for the Law and Medical Schools.)

James H. Baker, M.A., LL.D., President . . . . . \$ 4,500.00

### College of Liberal Arts.

J. Raymond Brackett, Ph.D., Dean, Professor of Comparative and English Literature . . . . .	\$ 2,000.00
Mary Rippon, Professor of the German Language and Literature . . . . .	1,600.00
Charles Skeelee Palmer, Ph.D., Professor of Chemistry . . . . .	2,000.00
Ira M. DeLong, M.A., Professor of Mathematics . . . . .	2,000.00
John Gardiner, B.Sc., Professor of Biology (not full work) . . . . .	800.00
Maurice E. Dunham, M.A., Professor of Greek	2,000.00
James A. MacLean, Ph.D., Professor of History and Political Science . . . . .	2,000.00
Arthur Allin, Ph.D., Professor of Psychology and Education . . . . .	2,000.00
Fred B. R. Hellems, Ph.D., Professor of Latin.	1,600.00
Charles C. Ayer, Ph.D., Professor of Romance Languages . . . . .	1,600.00
William Duane, Ph.D., Professor of Physics . .	1,600.00
Francis Ramaley, Ph.D., Assistant Professor of Biology . . . . .	1,200.00
Francis Kennedy, Ph.D., Assistant Professor of Philosophy . . . . .	1,200.00
Charles H. Farnsworth, Instructor in Music . .	1,000.00
Louis J. Campbell, M.A., Instructor in English	1,200.00

Fordyce P. Cleaves, M.A., Instructor in Elocution .....	500.00
Calvin S. Brown, Ph.D., Instructor in Literature .....	200.00
May V. Henry, B.A., Assistant in German...	200.00
Barry Hogarty, Assistant in Chemistry.....	500.00
Thomas M. Blakslee, Ph.D., Assistant in Mathematics .....	400.00
Robert S. Breed, B.S., Assistant in Biology...	500.00
Benjamin J. Fitz, M.A., Assistant in History..	200.00
Jessie P. Brown, B.A., Assistant in Latin....	200.00
John C. Blake, Assistant in French.....	54.00
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Alfred E. Whitaker, M.A., Librarian.....	1,500.00
Homer A. A. Smith, Assistant in Library.....	200.00
Charles F. Breed, B.S., Secretary.....	600.00
Omar E. Garwood, Assistant Secretary.....	240.00
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Edwin J. Temple, Secretary Board of Regents.	300.00

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\$ 33,894.00

School of Applied Science.

Henry Fulton, M.S., Dean, Professor of Civil Engineering .....	\$ 2,000.00
George H. Rowe, B.S., Professor of Electrical Engineering .....	1,900.00
John G. Kellar, B.A., Assistant in Civil Engineering .....	100.00
Lucius I. Wightman, Assistant in Drawing...	100.00
J. Lloyd Burnham, Assistant in Electrical Engineering .....	100.00
Melvin Price, B.S., Assistant in Electrical Engineering .....	100.00

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\$ 4,300.00

George R. Moore, Assistant in Wood and Iron Work (salary noted elsewhere).

The remaining work of the School of Applied Science is done by professors in the College of Liberal Arts.

## School of Medicine.

- Appropriation for expenses of Medical School,  
including salaries.....\$ 4,500.00
- Luman M. Giffin, M.D., Dean, Professor of  
Anatomy and Physical Diagnosis.
- Charles Skeelee Palmer, Ph.D., Professor of  
Chemistry.
- John Gardiner, B.Sc., Professor of Histology.
- A. Stewart Lobingier, B.A., M.D., Professor of  
the Principles of Surgery and Clinical Sur-  
gery.
- Emley B. Queal, M.D., Professor of Physiology.
- Horace O. Dodge, M.D., Professor of Materia  
Medica and Therapeutics.
- Eugene H. Robertson, Ph.M., M.D., Professor  
of Pathology and Bacteriology.
- John Chase, B.A., M.D., Professor of Ophthal-  
mology, Otology and Rhinology.
- Thomas E. Taylor, B.A., M.D., Professor of Ob-  
stetrics.
- William H. Riley, M.S., M.D., Professor of  
Mental and Nervous Diseases.
- William B. Craig, M.D., Professor of Clinical  
Surgery and Pelvo-Abdominal Surgery.
- George H. Cattermole, M.D., Professor of Dis-  
eases of Children.
- Frank E. Waxham, M.D., Professor of Medi-  
cine, Clinical Medicine and Laryngology.
- John H. Parsons, D.D.S., Professor of Oper-  
ative and Prosthetic Dental Technics.
- Francis Ramaley, Ph.D., Assistant Professor  
of Histology.
- Charles Fisher Andrews, M.D., Lecturer on  
Hygiene and Medical Jurisprudence.
- LaFayette Z. Coman, M.D., Lecturer on Minor  
Surgery and Bandaging.
- Charles S. Elder, M.D., Assistant in Gynecol-  
ogy and Abdominal Surgery.
- Robert S. Breed, B.S., Assistant in Histology.

George O'Brien, M.D., Demonstrator of Anatomy.

Mary Alice Lake, M.D., Demonstrator of Anatomy.

School of Law.

Appropriation for expenses of Law School, including salaries.....\$ 3,000.00

Faculty.

Moses Hallett, LL.D., Dean, Professor of American Constitutional Law and Federal Jurisprudence.

Charles M. Campbell, P.B., B.C.L., Secretary, Professor of Law.

Oscar F. A. Greene, M.A., Professor of Roman Law.

William L. Murfree, LL.B., Professor of Law.

Frank E. Gove, B.A., LL.B., Professor of Law.

Albert A. Reed, LL.B., Professor of Law.

Calvin E. Reed, LL.B., Professor of Law.

James A. MacLean, Ph.D., Professor of History and Political Science.

Lecturers.

John A. Riner, LL.B., Lecturer on International Law.

Ebenezer T. Wells, Lecturer on the Law of Real Property.

Willard Teller, B.A., Lecturer on Equity Jurisprudence, Pleading and Practice.

Hugh Butler, Lecturer on Common Law and Code Pleading, and Peculiarities of Colorado Law and Practice.

Robert Given, B.A., Lecturer on Irrigation, Water Rights and Riparian Privileges.

Platt Rogers, LL.B., Lecturer on Criminal Procedure and History of Criminal Law.

Luther M. Goddard, LL.B., Lecturer on the Laws of Patents, Copyrights and Trade Marks.

- Robert S. Morrison, Lecturer on the Law of Mines and Mining.
- John Campbell, M.A., LL.B., Lecturer on the Law of Private and Municipal Corporations.
- Charles S. Thomas, LL.B., Lecturer on the Law of Evidence.
- William C. Kingsley, Lecturer on the Law of Domestic Relations.
- Henry T. Rogers, M.A., Lecturer on the Law of Wills, Executors and Administrators.
- John D. Fleming, B.A., LL.B., Lecturer on the Law of Insurance.
- Lucius M. Cuthbert, M.A., LL.B., Lecturer on the Conflict of Laws.
- Horace G. Lunt, B.A., Assistant Lecturer on the Law of Private and Municipal Corporations.
- William H. Bryant, B.S., LL.B., Assistant Lecturer on the Law of Evidence.
- John H. Denison, B.A., Assistant Lecturer on Equity Jurisprudence, Pleading and Practice.

#### Preparatory School.

Henry White Callahan, Ph.D., Headmaster, Instructor in History and Latin. (One-third paid by University, plus \$250).....\$	916.66
E. Waite Elder, M.A., Instructor in Physics and Chemistry . (One-third paid by University) .....	333.33
Horace C. Hall, B.A., Instructor in Mathematics. (One-third paid by University)..	233.33
Frank Y. Moseley, B.S., Instructor in Biology. (One-third paid by University).....	133.33
Charles H. Farnsworth, Instructor in Music. (One-third paid by University).....	64.98
Chester E. Giblin, Instructor in Drawing. (One-third paid by University).....	96.00
Homer C. Newton, Assistant in Latin. (One-third paid by University).....	33.33



Eduard M. Morrissey, Assistant in Mathematics. (One-third paid by University).....	33.33
Arthur Ridgeway, Instructor in Civics. (One-third paid by University).....	33.33
Helen Beardsley, B.A., Instructor in Latin. (One-third paid by University).....	266.66
Margaret H. Whiteley, B.A., Instructor in Greek. (One-third paid by University)...	100.00
Charlotte E. Shedd, Instructor in English. (One-third paid by University.).....	166.66
Mary Stewart, Assistant in History. (One-third paid by University).....	33.33
R. T. Marshall, Janitor. (One-third of four-fifths paid by University).....	144.00
	<hr/>
	\$ 2,588.27

## Other Employees.

James E. Bemus, Steward.....	\$ 600.00
George R. Moore, Engineer and Carpenter....	780.00
W. W. McCarter, Fireman and Workman.....	540.00
Celso Espinosa, grounds.....	480.00
George A. Carlson, grounds.....	108.00
Nine student janitors.....	895.50
Albert Dakan, Law Librarian.....	40.00
Clifford B. Stubblefield, Law Librarian.....	40.00
Mrs. Helen Osgood, care of rooms in Woodbury Hall.....	180.00
	<hr/>
	\$ 3,663.50

## Summary.

College of Liberal Arts (including officers of the University).....	\$ 33,894.00
School of Applied Science.....	4,300.00
Medical School.....	4,500.00
Law School.....	3,000.00
Preparatory School.....	2,588.27
Other employees.....	3,663.50
	<hr/>
Total .....	\$ 51,945.77

Original from

UNIVERSITY OF ILLINOIS AT  
URBANA-CHAMPAIGN

## TREASURER'S REPORT.

From October 1, 1896, to October 1, 1898.

## Receipts.

Cash on hand October 1, 1896..\$	4,782	24	
State Treasurer—General Fund, one-fifth mill tax.....	93,837	25	
State Treasurer—Land Income.	6,901	80	
State Treasurer—Special Ap- propriation, 1895-1896.....	492	51	
State Treasurer—Special Ap- propriation, 1897-1898.....	16,516	73	
L. M. Giffin, Treasurer.....	4,095	38	
Bernice Lochhead, Secretary...	2,000	00	
Guy V. Thompson, Secretary...	4,100	00	
C. F. Breed, Secretary.....	2,500	00	
H. W. Callahan.....	60	00	
Warrants held in bank.....	18,723	79	\$154,009 70

## Disbursements.

Warrants as per reports to Re- gents .....	\$129,556	43	
Warrants held in bank .....	18,723	79	\$148,280 22
October 1, 1898, cash on hand		5,729	48 \$154,009 70

Respectfully submitted,

J. H. NICHOLSON,

Treasurer.

## REPORT ON BUILDING FUND.

To October 7, 1898.

## Receipts.

Received from State Treasurer —Per. Land Fund.....\$	36,658	81	
Received from City of Boulder —Account Hospital.....	2,000	00	
Received from Boulder County —Account Hospital.....	1,000	00	\$ 39,658 81

## Disbursements.

Warrants paid as per reports rendered .....	\$ 36,658 81	
Balance on hand.....	3,000 00	\$ 39,658 81

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Respectfully submitted,

J. H. NICHOLSON,  
Treasurer.

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## REPORT OF UNIVERSITY SECRETARY.

From September 1, 1896, to September 1, 1898.

## Receipts.

Balance on hand, September 1, 1896.....	\$ 355 97
Tuitions, fees and sundry small receipts, 1896-7.	3,061 84
Tuitions, fees and sundry small receipts, 1897-8.	4,199 67
Additional gymnasium receipts, and fees afterwards returned.....	92 01
	<hr/>
	\$7,709 49

## Disbursements.

By cash to Treasurer, 1896-7.....	\$3,000 00
By cash to Treasurer, 1897-8.....	4,100 00
By returned fees and paid to gymnasium instructor .....	92 01
Cash on hand, September 1, 1898.....	517 48
	<hr/>
	\$7,709 49

Turned over to Treasurer, \$7,100. Deducting \$1,000 deposited in September, 1896, and adding \$2,500 deposited in September, 1898, we have \$8,600, the sum credited in the Treasurer's report for the corresponding period.

## REPORT OF TREASURER OF SCHOOL OF MEDICINE.

From October 1, 1896, to October 1, 1898.

### Receipts.

Balance on hand, October 1, 1896.....	\$ 544 46
Fees collected from October, 1896, to October, 1898 .....	4,033 81
From dental apparatus sold (still due \$350)....	150 00
	\$4,728 27

### Disbursements.

Paid Treasurer of the Board of Regents.....	\$4,095 38
Due from the University for bills paid.....	150 17
Balance on hand, October 1, 1898.....	482 72
	\$4,728 27

L. M. GIFFIN,  
Treasurer.

## SECRETARY'S REPORT.

Boulder, Colo., October 1, 1898.

To the Board of Regents of the University of Colorado:

Gentlemen—I submit herewith a statement of the warrants issued during the period beginning October 1, 1896, and ending September 30, 1898, and the purposes for which the same were issued:

College and School of Applied Science, in- struction .....	\$ 73,891 74
School of Medicine, instruction, library, ap- paratus, etc.....	11,028 28
School of Law, instruction, library, etc.....	7,550 77
Preparatory School, instruction and other ex- penses .....	6,246 18
Library, books, periodicals and supplies....	3,313 19
Biology, books, apparatus and supplies.....	795 20

Chemistry, books, apparatus and supplies...	2,450	81
English, books.....	16	33
Ethics, books.....	96	45
French and German, books, etc.....	362	47
Greek, books, etc.....	188	11
History and Political Science, books.....	393	84
Latin, books.....	379	45
Literature, books, etc.....	651	81
Mathematics, books.....	493	52
Music, books.....	54	08
Philosophy, Pedagogy and Psychology, books, etc. ....	812	66
Physics, books, apparatus and supplies.....	1,737	72
Civil Engineering, books and apparatus....	538	13
Electrical Engineering, books, apparatus and supplies .....	2,180	35
Regents, service and mileage.....	3,026	50
Buildings and grounds, salaries of janitors, insurance, etc.....	17,710	68
Furniture and supplies.....	1,635	18
Printing, stationery and postage.....	3,713	41
Fuel and light.....	5,246	98
Advertising (including visitation of schools and institutes, and lectures).....	3,366	16
Unclassified .....	5,392	18
<b>Total .....</b>	<b>\$153,272</b>	<b>18</b>

Warrants issued by Secretary during period..\$153,272 18  
Of these, not yet paid by Treasurer..... 4,991 96

Amount paid during period, as shown in  
Treasurer's Report.....\$148,280 22

Amount drawn for Buildings from Permanent  
Land Fund, as shown in Treasurer's Re-  
port .....

Respectfully submitted,

E. J. TEMPLE,  
Secretary.

Original from

## LIBRARIAN'S REPORT.

James H. Baker, President of the Board of Regents,  
University of Colorado:

Dear Sir—I have the honor to present herewith my report on the Library covering the period from October 1, 1896, to October 1, 1898:

## Additions.

The total number of volumes accessioned and placed in the Library during the two years is 5,600, derived from the following sources:

Gifts (public documents).....	600	
Gifts (miscellaneous).....	1,621	
		2,221
Binding .....		452
Purchased .....		2,927
		5,600
Total .....		5,600

## Donations.

Gifts have been received, entered and acknowledged as follows:

Books .....	1,697
Miscellaneous pamphlets .....	1,620

## Binding.

Periodicals (completed volumes).....	436
Newspapers .....	16
Books (rebound).....	90
Books (paper).....	462
	1,004
Total volumes bound.....	1,004

## Summary.

Number of volumes reported October 1, 1896.....	13,156	13,156
Additions—		
By gifts (public documents)... 600		
By gifts (miscellaneous).....1,621		
	<hr/>	
	2,221	
By binding .....	452	
By purchase .....	2,927	
	<hr/>	
		5,600
		<hr/>
Total .....		18,756
Deductions—		
Cancelled (lost) .....	112	
Cancelled dup. govt. documents returned to Supt. of Documents .....		
		149
	<hr/>	
		261
		<hr/>
Total number of volumes in Library October 1, 1898.....		18,495

## Donations.

## General Library.

	Books.	Pamphlets.
James H. Baker.....	100 vols.	
Charles Caverno.....	19 vols.	
Walter H. Nichols.....	84 vols.	43
Nellie Rust.....	93 vols.	
Guy V. Thompson.....	278 vols.	33
United States Government, various departments .....	600 vols.	400
Mr. and Mrs. W. H. Thompson.....	99 vols.	
Maharaja of Jeypore, portfolios of Indian architecture.....	6 vols.	
John Gardiner.....	9 vols.	

Joseph Wolff.....	17 vols.	
Colorado Superintendent of Public Instruction .....	33 vols.	
Rev. Horace L. Wheeler, Le Kuex, Memorials of Cambridge, with en- graved views; other volumes....	9 vols.	5
Various contributions.....	449 vols.	1,053

Law Library.

Calvin E. Reed.....	87 vols.	86
Henry F. May.....	158 vols.	
Charles M. Campbell.....	92 vols.	
Colorado Secretary of State.....	34 vols.	
Various contributions.....	2 vols.	

Medical Library.

Various contributions.....	52 vols.	
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Total .....	2,221 vols.	1,620
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Respectfully yours,

ALFRED E. WHITAKER,  
Librarian.

### INVENTORY OF UNIVERSITY PROPERTY.

The following estimates, taken from inventories recently made, are presented as fair approximations:

#### Grounds.

Campus, fifty-two acres (estimated present value unimproved).....	\$ 26,000 00
Hospital grounds (cost).....	800 00
Improvements, as fences, grading, roads, walks, pipes, drains, trees, lake, bridges.	10,300 00
	\$ 37,100 00

#### Buildings. (Approximate cost of each.)

Main Building.....	\$ 36,500 00
University Cottage.....	6,600 00



Medical Building.....	8,300 00
Cottage No. 1.....	8,400 00
Cottage No. 2.....	3,800 00
Anatomy Building.....	2,500 00
Woodbury Hall.....	24,500 00
Hale Scientific Building.....	47,500 00
Engineering Building and heating plant....	17,100 00
Heating plant, boilers, pipes in ground, fan house .....	6,000 00
Observatory .....	200 00
Ice house.....	200 00
Stables and sheds.....	1,200 00
Chemistry Building.....	9,700 00
Gymnasium Building.....	5,700 00
Hospital, furnished.....	15,000 00
	<hr/>
	\$193,200 00

## Furniture, etc.

Team, implements, tools, engineer's and car- penter's supplies (value).....\$	1,800 00
Gymnasium apparatus (cost).....	500 00
Room furniture, as chairs, settees, desks, tables, movable cases, pictures, office furniture, dormitory and dining hall- equipment, shades and janitor's sup- plies (value).....	9,000 00
	<hr/>
	\$ 11,300 00

## Library.

Library (value).....	\$ 33,000 00
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## Apparatus.

Biology .....	\$ 2,093.00
Chemistry .....	2,025.00
Civil Engineering.....	2,074.00
Comparative and English Literature.....	848.00
Electrical Engineering.....	4,797.00
Greek .....	336.00
Latin .....	20.00
Mathematics .....	116.00

Medicine .....	4,686.00
Physics .....	6,356.00
Psychology .....	286.00
	<hr/>
	\$ 23,637.00

## Collections.

Geological and Mineral. (value).....	\$ 2,392.00
Art (cost).....	1,800.00
	<hr/>
	\$ 4,192.00

## Summary.

Grounds .....	\$ 37,100.00
Buildings .....	193,200.00
Furniture, etc. ....	11,300.00
Library .....	33,000.00
Apparatus .....	23,637.00
Collections .....	4,192.00
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	\$302,429.00

