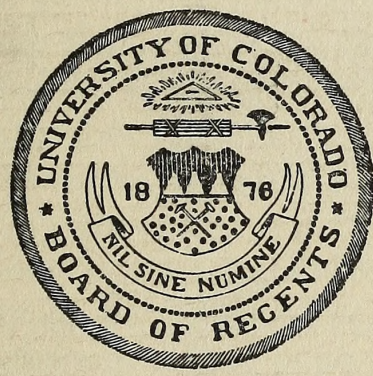


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Fourteenth Biennial Report
OF THE
REGENTS
OF THE
UNIVERSITY OF COLORADO



Boulder, Colorado
October 1, 1904

UNIVERSITY OF COLORADO.

FOURTEENTH BIENNIAL REPORT OF THE REGENTS, 1902-1904.

To the State Superintendent of Public Instruction, and the Fifteenth General Assembly:

The Fourteenth Biennial Report, from October 1, 1902, to October 1, 1904, is herewith presented by the Regents.

DEPARTMENTS OF THE UNIVERSITY.

The departments of instruction in the UNIVERSITY OF COLORADO are comprehended under the following divisions:

I. COLLEGE OF LIBERAL ARTS.

Courses leading to the degree B. A.

II. GRADUATE SCHOOL.

Courses leading to the degrees M. A. and Ph. D.

III. 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.)

Mechanical Engineering, leading to the degree B. S.
(M. E.)

Chemical Engineering, leading to the degree B. S. (Ch. E.)

IV. COLORADO SCHOOL OF MEDICINE.

A four-year course leading to the degree M. D.

V. COLORADO SCHOOL OF LAW.

A three-year course leading to the degree LL. B.

VI. SUMMER SCHOOL.

VII. COLORADO STATE PREPARATORY SCHOOL. (Separate Organization, Grounds and Building. 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	390	310	700
1899-00	433	356	789
1900-1	466	367	833
1901-2	510	352	862
1902-3	531	363	894
1903-4	581	385	966
1904-5	680 (estimated)	400 (estimated)	1080

DEGREES CONFERRED.

In 1903 and 1904 one hundred and seventy-three degrees were conferred, as follows:

	1903.	1904.	Total.
College of Liberal Arts	28	47	75
Graduate School	4	12	16
Colorado School of Applied Science.....	13	16	29
Colorado School of Medicine.....	8	14	22
Colorado School of Law.....	11	20	31
	64	109	173

The Colorado State Preparatory School graduated thirty-nine students in 1903 and forty-four in 1904, a total of eighty-three.

*These numbers do not include summer school students.

GRADUATES.*

The register of the graduates now shows the following figures:

College of Liberal Arts.....	324
Graduate School	59
Colorado School of Applied Science.....	63
Colorado School of Medicine.....	128
Colorado School of Law.....	113
Honorary Degrees	12

699

GRADUATE SCHOOL.

The requirements of the Graduate School, always high, have recently been strengthened. Higher degrees are not granted for work done in absentia. All candidates for degrees Master of Arts and Doctor of Philosophy must be in residence at the University. The degree Master of Science is not offered.

There were nineteen graduate students in the year 1902-3, and twenty-three in the year 1903-4. Higher degrees have been conferred upon sixteen candidates within the biennial period.

In 1903 the degree Master of Arts was conferred upon—

Name.	Subject of Thesis.
Maud Elden,	“Limits of Functions of a Real Variable, with Numerous Analytical and Graphical Illustrations.”
Milton Lawrence Kephart,	“Charities and Corrections in Colorado.”
John Walter Needles,	“The Caribou Iron Dyke.”
Daniel Pomeroy Taylor,	“Psychological Effects Incident to the Evolution of Technic.”

In 1904 the degree Master of Arts was conferred upon—

Philip Henry Argall,	“Smelter and Mill Methods of Analysis in Use in the West.” (1)
William Bell,	“The Romanticism of Heine.”
Neata Clark,	“Cotyledon and Leaf Structure in Certain Ranunculaceae.”
Iva Bee Duer,	“An Examination of the Figures in Horace.”

*In addition the graduates of the Colorado State Preparatory School number 462.

(1). Published in University of Colorado “Studies,” Vol. II, No. 1.

Name.	Subject of Thesis.
Aurelio Macedonio Espinosa,	"Echegaray's El Gran Galeoto." (2)
John Madison Fletcher,	"Emerson's Educational Theories."
Ethel Jackson,	"The Charter of the City and County of Denver."
Hortense Roberts,	"Epigraphic Evidence for the Reign of Nero in Spain and Gallia Narbonensis."
Ruth Elsie Scott,	"Typical Descriptions of Ideal Conditions of Life and Places in Classical Literature."
Robert John Wells,	"A New Dihydro-Quinoxaline." (3)
The degree Ph. D. was conferred upon—	
Milo Grant Derham,	"Signa and Less Usual Cognomina in Latin Epigraphy."
Fred Allison Howe,	"Wordsworth's Educational Theories." (4)

COLLEGE OF LIBERAL ARTS.

The important changes in the faculty of the College of Liberal Arts during the past two years are as follows:

William Duane, Ph. D., Professor of Physics, was granted a one year's leave of absence, beginning September, 1904, and Charles A. Lory, M. S., is conducting the work in Physics as Acting Professor during his absence.

Francis Ramaley, Ph. D., Professor of Biology, was given leave of absence to travel in the Orient, beginning December, 1903, and the work of his department was conducted until June, 1904, by Chancey Juday, M. A., who ranked as Acting Professor.

Assistant Professor Arnold Emch, Ph. D., was made Professor of Graphics and Mathematics in September, 1903.

Russell D. George, M. A. (McMaster), Fellow of Chicago, was appointed in September, 1903, to fill the chair of Geology, made vacant by the resignation of Professor Nevin M. Fenneman, Ph. D., to accept a professorship in the University of Wisconsin.

(2). Published by C. A. Koehler & Co., Boston.

(3). Published in University of Colorado "Studies," Vol. II, No. 2.

(4). Accepted by D. Appleton & Co. for publication.

Sanford Bell, M. A. (Indiana State), Fellow of Clark, was appointed in September, 1903, to the chair of Education, an important part of his work being the visitation of the high schools of the State.

Joseph H. Bair, Ph. D. (Columbia), was appointed in January, 1904, to the chair of Psychology and Education, made vacant by the death of Arthur Allin, Ph. D., on November 17, 1903.

Frederic L. Paxson, Ph. D. (Pennsylvania), was appointed Assistant Professor of History in February, 1903, in place of Professor Walter H. Nichols, M. A., resigned. He was promoted to be head of the department in September, 1904. William J. Truesdale, M. A., was Acting Professor of History from February to June, 1903.

Milo G. Derham, Ph. D. (Colorado), was appointed in September, 1904, to the position of Assistant Professor of Latin.

Miss Henrietta J. Meeteer, Ph. D. (Pennsylvania), was appointed in September, 1904, to the position of Dean of Women, made vacant by the resignation of Miss Margaret E. Stratton, M. A.

George C. Taylor, M. A., Instructor in English, was granted leave of absence in February, 1903, and Fred A. Howe, M. A., LL. B., was appointed to take charge of his work. Mr. Howe remained at the University until June, 1904. Mr. Taylor's leave of absence was extended at that time, and James F. Royster, B. A., is conducting the department until his return in January, 1905.

Mr. Robert W. Stevens was appointed Instructor in Music in September, 1903, succeeding John P. Langs, B. A., resigned.

Judge Junius Henderson has been appointed Curator of the Museum.

Important changes have been made in the College curriculum, as first appeared in the catalogue published in March, 1903. First effective in June, 1904, the three degrees previously awarded were merged in the degree Bachelor of Arts. The requirements for graduation under the revised curriculum are as follows:

To attain the degree of Bachelor of Arts, a student must complete one hundred and thirty hours, including ten hours in English and twenty hours in a major subject to be chosen not later than the end of the Sophomore year. All students in the Freshman year must take three hours of English each semester, and five hours each semester from the following groups:

- I. Mathematics.
- II. Classical Languages.
- III. Natural Sciences.

All students of the Sophomore year are required to take two hours of English each semester. All hours not implied in the above requirements are elective.

Naturally, the requirements for admission were modified to fit the above plan, and the following scheme was adopted and published in the catalogue of 1903-4:

Sixteen units are required for admission. A unit course of study is defined as a course covering a school year of not less than thirty-five weeks, with four or five (preferably five) periods of at least forty-five minutes each per week.

Mathematics (preferably 3) at least.....	2
Languages other than English (4 units of Latin preferred, at least 2 units urgently advised).....	4
English	3
History	2
Science (no half units accepted in Physics and Chemistry).....	2
Elective	3
	—
	16

Electives may be chosen from the following: Mathematics 2; Greek 3; Latin 3; French 3; German 3; Spanish 2; History 2; English 2; Science 2; Drawing 1; Psychology $\frac{1}{2}$ or 1; Political Economy $\frac{1}{2}$ or 1.

Students who present 3 units of Greek are required to present only 1 unit of Science, but they must have a total of 16 units.

Students who do not present Solid Geometry for entrance must either choose Mathematics among the Freshman required subjects, or pursue the course in Solid Geometry in the Freshman or Sophomore year.

Students intending to pursue the study of Latin in the University should present for entrance 4 units of Latin; those intending to pursue the study of Greek should present preferably 3, at least 2, units of Greek.

A Summer School was organized in the spring of 1904 and the first session held June 20 to July 30, 1904. Courses were offered in the following subjects: Mathematics, Classical Languages, Chemistry, Botany and Biology, Geology, Physics, English Literature, Modern Languages, History and Sociology, and Psychology and Education.

A credit of two hours toward the one hundred and thirty required for the Bachelor's degree was given for each five-hour course

successfully pursued in the Summer School by a regularly matriculated student.

The attendance numbered sixty and included prominent teachers and educators from every part of the State.

SCHOOL OF APPLIED SCIENCE.

Four courses are now offered in the School of Applied Science, leading to the degree Bachelor of Science in Civil, Electrical, Mechanical and Chemical Engineering.

The following appointments have been made in the faculty during the past two years:

Lindsay Duncan, M. S., was appointed in September, 1903, to the Chair of Civil Engineering, to fill the position made vacant by the resignation of Charles Derleth, Jr., B. S., C. E. Professor Derleth accepted a similar position in the University of California. In July, 1904, Milo S. Ketchum, C. E. (Illinois), was appointed Professor of Civil Engineering in place of Professor Duncan, resigned.

Professor George H. Rowe, B. S., resigned his position as Professor of Electrical Engineering and Dean of the School in August, 1903, having accepted a position in the Leland Stanford, Jr., University, California. Henry B. Dates, S. B. (Massachusetts Institute of Technology), was appointed to the vacant chair, and in October, 1903, became Dean of the School.

H. Chester Crouch, M. E., Assistant Professor of Mechanical Engineering, died on October 29, 1903. His place was temporarily filled by the appointment of Morris M. Green, M. E. In September, 1904, John A. Hunter, B. S., M. E. (Pennsylvania State), was appointed Assistant Professor of Mechanical Engineering.

A wing to the Engineering Building, consisting of two stories and a basement, was completed in March, 1904, affording much needed accommodations for recitation rooms, drawing rooms and laboratories, the former building being entirely inadequate for the work of the School.

There has been a very material increase in laboratory equipment since the last report. The forge and machine shops have been equipped with new apparatus and tools, while the facilities of the wood-working shop have also been enlarged. However, the number of students demanding shop work has increased more rapidly than the equipment necessary to this work. For Electrical Engineering a new photometer room has been provided and equipped for photometry of the various forms of electric lamps. A considerable amount of

new electrical apparatus has been installed and the equipment of instruments enlarged that the department may fully meet the demands made upon it by the increasing size of classes and the rapid advancement in the electrical arts. A hydraulic laboratory has been laid out for the Civil Engineering department.

The curriculum of the School has been extended by the introduction, September, 1904, of a four-year course in Chemical Engineering.

SCHOOL OF MEDICINE.

The clinics at the Hospital and Dispensary are rapidly increasing in number. Especially gratifying is the rapid increase in the amount of clinical material in internal medicine and surgery, thereby allowing the upper classes an opportunity for much bedside work.

The tendency of medical students to take collegiate degrees or one or more years of collegiate training before beginning the work of the Medical School is worthy of note. At present nearly one-third of the students in attendance have college degrees, and many have had one or more years in college.

Dr. James R. Arneill has been appointed Associate Professor of Medicine. Previously he occupied a similar position in the University of Michigan. Dr. Oscar M. Gilbert has been made Professor of Anatomy. Dr. Jacob Campbell was appointed Lecturer in Surgery, on the death of Dr. L. Z. Coman. Dr. Walter W. Reed has been appointed Assistant in Obstetrics.

In November, 1902, Doctor Frederic S. Lee of Columbia University presented the Medical Department with a sum of money which has been used in purchasing physiological apparatus. Some of the instruments procured are cardiograph, chronometer, tambours, pneumograph, monometer, spirometer, ergograph and plethsmograph. A stereopticon lamp, which has been found of great assistance in various demonstrations, has been purchased for one of the lecture rooms.

SCHOOL OF LAW.

The Law School has since our last report shown a growth commensurate with the other departments of the University, the graduating class of 1904 being the largest in the history of the School, and the number of registrations for the first-year class in September of this year exceeding by over twenty-five per cent. the registrations of any year previous.

In June, 1903, Mr. John D. Fleming, a practitioner of experience at the Colorado Bar, a graduate of Center College of Kentucky,

and a graduate in law of the Law Department of the University of Louisville, and subsequently a student in special course under the late Professor John D. Minor at the University of Virginia, was appointed Secretary of the School and Professor of Law, thus restoring the complement of resident Professors which the School had not had since the death of the lamented Professor Murfree.

Professors Albert A. Reed, William H. Pease and Frederic L. Paxson remain as resident Professors of Law, while the continued work in regular course of Dean John Campbell and Professors Edwin Van Cise, Calvin E. Reed, William H. Bryant and Robert Given, of Denver, in the subjects of Corporations, Colorado Civil Code, Appellate Practice, Mining Law and the Law of Irrigation and Water Rights, together with the special lecturers in regular attendance for the teaching of other important topics of the law, justify the belief that the Law School has already attained a high degree of efficiency.

The course of study is based upon the "case" system, but remains a conservative combination of such system with text-book and lecture-room work, with especial reference to the needs of western students and practitioners in Mining and Irrigation law.

The library shows a steady increase in State reports and late text-books, but it is strongly desired that means may be provided for much larger additions in the near future.

It is gratifying to report the continued increase of the percentage of college-trained students among the matriculates, evidencing the tendency toward higher scholastic preparation before entering upon a professional career, which the faculty has consistently endeavored to foster.

The School continues a member of the Association of American Law Schools and in September of this year for the first time sent a delegate to the annual meeting of that body.

PREPARATORY SCHOOL.

The enrollment in 1902 was 352, in 1903 was 363, in 1904 was 385. The enrollment for this year will be about 400.

It has become necessary to make four divisions of the first-year class.

Thirty-eight students out of the last graduating class of forty-four are at present doing regular work in the courses at the University.

There have been several changes in the corps of instructors since the last report.

Mr. Eugene E. Gill, A. M., is the Science Master; Mr. Albert O. Cooperrider, B. A., has the Mathematics; Mrs. Wilmatte P. Cockerell, A. B., has the Biology; Mr. James F. Denison, A. B., is the English Master; Miss Hilda C. Kallgren, B. A., teaches Latin and German; Mr. Avery T. Leavitt has charge of the drawing; Miss Lillian McCracken has charge of the work in Music.

On account of the division of the large classes it has been necessary to put in one extra teacher, and Miss Hilda C. Kallgren, of the class of 1899 at the Preparatory, and 1903 at the University, has been appointed as a regular teacher.

There are at present five masters and six women assistants doing regular work in the School.

As a classical school the Preparatory easily takes the lead of any school in the Rocky Mountain region, furnishing a large percentage of the students in some of the classes at the University.

A new course of study has been put in this year. In this course the amount of History and English has been increased. The Drawing has been limited to the scientific course, and the number of hours of required Music has been diminished.

BUILDINGS AND GROUNDS.

During the past two years the University Campus has undergone extensive improvements. The central portion of the Library Building has been completed and is now in use. The building is of gray brick with white sandstone trimmings, and is a thoroughly modern and serviceable structure. The cost of the central portion as it now stands, including heating and stacks, was about \$80,000.00.

A wing has been added to the north end of the Engineering Building at a cost of over \$27,000.00, and the additional space afforded has been utilized for recitation rooms, drawing rooms and laboratories.

The Observatory has been moved farther south, put on a new foundation, painted and repaired.

A complete lighting plant has been installed in the Engineering Building, which furnishes light to all the University buildings. Several buildings have been re-wired with a view to safety. A number of arc lamps have been installed at various points about the campus. The heating system has been extended by laying pipe lines from the Engineering Building to the Library and Medical buildings, and the entire system has been remodeled. A system of heating by steam at atmospheric pressure is now in use in all the buildings.

Stone walks have been laid from Woodbury Hall, on the north side, to the Engineering Building, from the Main to the Library Building, from the Library Building to Cottage No. 1, and from the Main Building to Cottage No. 1. The old walks have been straightened in many places, and the entire quadrangle is now completely defined by walks. The lake bottom has been graded and the dam repaired.

The quadrangle was graded and sown in grass last summer and now presents a most pleasing appearance. New trees have been planted in numerous places and vines started at the various buildings. A large flagpole has been erected at the south end of the athletic field. The athletic field has also been surfaced with a view to affording the best conditions for football and baseball training.

The Museum has been enlarged by the addition of many new geological and biological specimens and all the material has been rearranged and classified.

In April, 1904, a purchase of five acres of land adjoining the old campus on the east was made. A roadway thirty feet in width, dividing the new purchase from the original campus, was deeded to the University by the County of Boulder.

RELATION TO THE HIGH SCHOOLS.

The fact that the State University is virtually a part of the public school system of Colorado is rapidly becoming recognized and accepted as significant by superintendents and principals of high schools and generally by the citizens of the State. Much has been done within the past two years so to articulate the State University with the high schools that both shall intelligently and sympathetically coöperate in working out the purpose of each. On December 12, 1903, a University and High School Conference was held in Boulder. The conference was well attended by superintendents and high-school principals from the best schools of the State. The deliberations of this conference resulted in the adoption of the sixteen units of study referred to on page 6 as a basis for admission to the various departments of the University.

This standard has been accepted by practically all of the high schools of the State, and is the basis of their courses of study. At present there are thirty-eight of the high schools of Colorado and one of Wyoming upon the University's accredited list. It is the very apparent ambition of all of the other high schools of the State to win a place upon this list.

In August, 1903, the Regents appointed Sanford Bell, M. A., as Inspector of High Schools, with the title of Professor of Education. This Inspector spends at least three-fourths of his time in visiting high schools and in looking after other interests of the University in the various communities. In the year 1903-4 he visited every high school in Colorado that is upon the University's accredited list and many others that are aspiring to be placed there. Many of the schools were visited several times. Commencement addresses before twelve high school graduating classes of 1904 were delivered by the Inspector of High Schools.

The University succeeded in securing the appointment of fifty-one University graduates to important school positions in Colorado during the summer of 1904, the great majority of appointments being to high-school positions.

The annual High-School Day conducted at the University in May attracts a larger number of High-School students each year. Over 2,000 High-School visitors were present at the celebration last May. The program consisted chiefly of Interscholastic Oratorical and Literary Contests and an Interscholastic Track Meet. The Literary Contest, in which girls representing accredited high schools of the State competed, was a new feature of last High-School Day.

PHYSICAL CULTURE AND ATHLETICS.

In the department of Physical Culture and Athletics great progress has been made.

In September, 1903, a Director of Physical Culture was appointed by the Regents; he was given entire charge of all gymnasium instruction and of the coaching, training and directing of all outdoor athletics.

A thoroughly organized schedule of classes for both men and women is daily conducted in the gymnasium.

Basket ball teams, representing the men and women of the University, play in their season a schedule of intercollegiate games, and frequent public exhibitions of gymnastic work are given by the gymnasium team.

A Cross Country Club with a splendid membership was organized as a feature of athletics in the winter of 1903-4. The club, besides affording a means of developing material for other athletic teams, conducts what is termed an Olympic Tournament, to the winners in which certain prominent citizens of Boulder have offered annual prizes.

The football team of the University plays annually a schedule of ten or more intercollegiate games. In the season of 1903 ten games were played, four of which were with state universities of the Middle Western States. For the season of 1904 twelve intercollegiate games are arranged, six of which are with universities of other states.

The track team of the University for the year 1903-4 competed with teams from the universities of Nebraska and Utah, besides engaging in the usual State contests, and was represented in the World's Fair Western Intercollegiate Championships at St. Louis.

Baseball in the University is conducted upon the same basis as other branches of athletics, and in addition to the State Intercollegiate schedule, consisting of ten games, a series of interstate games is played.

Extensive improvements have been made upon the athletic field of the University. Steel lockers have been ordered for the gymnasium and facilities for bathing have been more than doubled.

The control of athletics is vested in a Board of Control consisting of three faculty members appointed by the President of the University, and the President of the Student Athletic Association.

NEEDS.

The Thirteenth General Assembly made a special appropriation for the University of \$120,000, with the proviso that the entire income from the one-fifth mill and the appropriation should not exceed \$220,000 for the biennial period, December, 1900, to December, 1902.

The Fourteenth General Assembly increased the mill rate to two-fifths, but the increase affected only the second year of the biennial period, December, 1902, to December, 1904, hence \$40,000 special appropriation was voted for the support of the University during the period. This special appropriation of \$40,000 has not been paid, and in consequence the University is suffering from a large deficit at the close of the biennial period. This amount should be made good early in the session of the Fifteenth General Assembly.

Aside from all improvements the average running expenses of the University for the last two years have been about \$120,000 per year. During the period the increase in attendance has been large, with a corresponding increase in necessary expenses. The running expenses are now not far from \$140,000 per year, with a hundred legitimate demands in various directions that cannot be met.

It will be impossible to meet the regular expenses and make all the needed improvements from the proceeds of the two-fifths mill. The immediate needs are completion of the Chemistry Building, a Law Building, an Auditorium, a new Heating Plant, a Women's Dormitory, completion of the Library Building.

The last General Assembly made provision for payment of emergency loans to the University and other State institutions. A large part of the University loan has now been paid by the State and the remainder is being paid as fast as funds for the purpose accumulate.

GIFTS.

Previous reports have recorded gifts valued at \$46,561.00. Gifts during the past two years are as follows:

Class of 1903, University of Colorado, casts of the Parthenon frieze	\$ 52.50
Hon. J. P. Maxwell, Boulder, miscellaneous collection (Museum)	200.00
Judge Junius Henderson, Boulder, birds' nests and eggs (Museum)	10.00
Professor D. W. Spangler, Longmont, mineral specimens (Museum)	2.00
Mr. L. C. Bragg, Boulder, bird specimens (Museum)	20.00
Rev. H. H. Walker, Boulder, collection of birds' eggs (Museum)	25.00
Mr. Walter Blanchard, Boulder, birds' eggs (Museum)	50.00
Mr. Ernest Andrews, San Bernardino, California, collection of insects (Museum)	60.00
Mr. P. J. Werley, Boulder, ornithological specimen (Museum)	1.00
Mrs. William Duane, Boulder, insects and herbarium specimens (Museum)	20.00
Mr. S. Pells, Boulder, mycological specimen (Museum)	1.00
Dr. L. Z. Coman, specimen of mountain lion (Museum)	45.00
Dr. M. Treub, Buitenzorg, Java, plant photographs (Biology)	10.00
Mrs. Maude Clark Gardiner, Boulder, microtome (Biology) ..	30.00
Various students, individual specimens of spiders, snakes, centipedes, scorpions, etc. (Biology)
Mutual Life Insurance Company, New York, charts (Economics and Sociology)	10.00
Secretaries of various States, constitution and legislative manuals (Economics and Sociology)	40.00

Standard Oil Company, Whiting, Ind., petroleum products (Geology)	\$ 25.00
Messrs. Stephens and O'Connell, Silver Plume, mineral speci- mens (Geology)	10.00
Hon. W. J. King, Villa Grove, rhodochrosite and mineral cork (Geology)	2.00
Colorado School of Mines, Golden, fossil leaves (Geology)....	25.00
Professor N. M. Fenneman, Madison, Wis., paleozoic fossils (Geology)	10.00
Judge Junius Henderson, Boulder, fossils (Geology)	15.00
Mr. Fred Fair, Boulder, crystals and rock specimens (Geology)	4.00
Dr. Amy Bell, Boulder, specimens of native copper (Geology)	2.00
Mr. H. J. Kesner, Boulder, specimens of marble and onyx marble (Geology)	4.00
Mr. C. I. Anderson, Georgetown, specimens of cerussite and other minerals (Geology)	3.00
Mr. H. V. Welch, Boulder, gold, silver and lead ores (Geology)	2.00
Mr. W. S. Cunningham, Boulder, gold and silver tellurides (Geology)	3.00
Professor Joseph H. Bair, Boulder, discrimination and asso- ciation board, stereoscopes, charts, views, etc. (Psy- chology)	27.00
Various donors, books and pamphlets. (Reported in detail under the head of library gifts—History)
Weston Electrical Instrument Company, Waverly Park, N. J., one case of parts of Weston instruments (Electrical En- gineering)	50.00
General Electric Company, Schenectady, N. Y., one sample case incandescent lamps, photographs (Electrical En- gineering)	20.00
Westinghouse Electric & Manufacturing Company, Pittsburg, photographs (Electrical Engineering)	10.00
Sprague Electric Company, New York, conduit samples (Elec- trical Engineering)	10.00
D. & W. Fuse Company, Providence, R. I., sample board of fuses (Electrical Engineering)	5.00
Mr. Paul Doty, St. Paul, Minn., four integrating wattmeters (Electrical Engineering)	40.00

John A. Roebling's Sons Company, Trenton, N. J., one sample board of wire cables (Civil Engineering).....	\$ 20.00
American Locomotive Company, Schenectady, N. Y., four pictures (Civil Engineering)	12.00
Union Pacific Railway Company, two pictures (Civil Engineering)	6.00
Penberthy Injector Company, Detroit, one Penberthy injector (Mechanical Engineering)	10.00
Westinghouse Air Brake Company, Pittsburg, one air brake outfit (Mechanical Engineering)	250.00
Morris Machine Works, Baldwinsville, N. Y., one centrifugal pump (Mechanical Engineering)	50.00
Federal Manufacturing Company, Cleveland, seven steel balls (Mechanical Engineering)	50
Colorado & Southern Railway Company, two-truck spring (Mechanical Engineering)	1.00
The Bashlin Company, Warren, Pa., faucet (Mechanical Engineering)	1.00
George R. Moore, Boulder, set of tools for milling machine (Mechanical Engineering)	30.00
Dr. Frederic S. Lee, Columbia University, New York, gift to Medical School	175.00
Mr. J. T. Hart, through his son, B. A. Hart, Red Cliff, Colo., mine model used in litigation between quartzite vein owners and owners of contact mines on Battle Mountain, Colo. (Colorado School of Law)	250.00
	\$1,649.00

Library gifts; also reported on page 29—

	Books.	Pamp.	Maps
Addison, Mrs. Herbert	8		
Alabama Geological Survey	12	4	
Baker, Pres. James H.	23	25	
Brackett, Dr. J. R.	8	10	
Cambridge University		6	
Canada Geological Survey	22		
Colorado Agricultural College		10	
Colorado Secretary of State	59		
Craig, Dr. W. B.	43		
Creighton University	1	4	
Denver Public Library	6		

	Books.	Pamp.	Maps.
Duane, Dr. William	16	1	
Ekeley, Dr. John B.	2		
Emch, Dr. Arnold.....	10	2	
Gardiner, Mrs. Maude	53		
Giffin, Dr. L. M.	9		
Greenman, A. A.	32	4	
Grimsley, Mr.	1	5	
Harris, Herbert	77		
Heath & Co.		12	
Hellems, Dr. Fred B. R.	4	1	
Henderson, Judge Junius	16		
Henry, Carl	8		
Jones, Mrs. R. W.	20		
Kansas Historical Society	7	14	
Kansas State University	6		
Los Angeles, Cal. (School Reports)....		2	
Maryland Geological Survey	8		
Mississippi River Commission		43	
Moore, George	17		
Nevada Board of Education		10	
Paxson, Dr. Frederic L.	3		
Phillips, Dr. John B.	8		
Reed, Calvin	7		
Rocky Mountain News, bound vols. of Times and Post	54		
Smithsonian Institution	6	53	
U. S. Supt. Doc. and Depts.....	480	163	7
University of Chicago		23	
University of Chicago Library		36	
University of Colorado Glee Club.....	2	76	
University of Nebraska		15	
University of Pennsylvania		16	
University of the State of New York ...	57		
University of Toulouse.....		8	
Watts, H. F.	8		
	-----	-----	-----
	1,093	543	7
Miscellaneous	347	1,582	4
	-----	-----	-----
Total	1,440	2,125	11

Original from

UNIVERSITY OF ILLINOIS AT
URBANA-CHAMPAIGN

Total value of library gifts.....	\$ 300.00
Total value of gifts 1902-1904.....	1,949.00

Gifts previous to 1896.....	\$ 27,207.00
Gifts, 1896-1898	11,556.00
Gifts, 1898-1900	7,042.00
Gifts, 1900-1902	756.00
Gifts, 1902-1904	1,949.00

Total.....\$48,510.00

REPORTS SUBMITTED.

We submit herewith the pay roll of the University, Secretary's Fee Report, Report on Permanent Fund, Report of State Auditor, Treasurer's Report, Secretary's Report, Librarian's Report, Inventory of Property.

Respectfully submitted,

DAVID M. RICHARDS,
 HAROLD D. THOMPSON,
 WILLIAM H. BRYANT,
 FRANK E. KENDRICK,
 OSCAR J. PFEIFFER,
 WILLIAM J. KING,
 Board of Regents.

JAMES H. BAKER,
 President.

EDWIN J. INGRAM,
 Secretary.

APPENDIX.

PAY ROLL OF THE STATE UNIVERSITY.

ADMINISTRATION.

James H. Baker, M. A., LL. D., President.....	\$ 5,000.00
Edwin J. Ingram, B. A., LL. B., Sec'y Board of Regents...	720.00
Harry J. Kesner, Secretary.....	900.00
Fred E. Hagen, Assistant Secretary.....	180.00
Katharine Kalene, Stenographer.....	420.00
	\$7,220.00

COLLEGE OF LIBERAL ARTS.

Fred B. R. Hellems, Ph. D., Dean, Professor of Latin.....	\$ 2,200.00
Mary Rippon, Professor of the German Language and Literature	2,000.00
J. Raymond Brackett, Ph. D., Secretary of the Graduate Faculty; Professor of Comparative and English Literature	2,500.00
Ira M. DeLong, M. A., Professor of Mathematics.....	2,500.00
Charles C. Ayer, Ph. D., Professor of Romance Languages.	2,000.00
William Duane, Ph. D., Professor of Physics.....	2,000.00
Charles A. Lory, M. S., Acting Professor of Physics.....
George Norlin, Ph. D., Professor of Greek.....	2,000.00
Francis Ramaley, Ph. D., Professor of Biology.....	2,000.00
Melanchthon F. Libby, Ph. D., Professor of Philosophy...	1,800.00
John B. Phillips, Ph. D., Professor of Economics and Sociology	1,800.00
John B. Ekeley, Ph. D., Professor of Chemistry.....	2,000.00
Arnold Emch, Ph. D., Professor of Graphics and Mathematics	1,500.00
Russell D. George, M. A., Professor of Geology.....	1,900.00
Sanford Bell, M. A., Professor of Education.....	1,800.00
Joseph H. Bair, Ph. D., Professor of Psychology and Education	1,700.00
Frederic L. Paxson, Ph. D., Professor of History.....	1,600.00

Milo G. Derham, Ph. D., Assistant Professor of Latin.....	\$ 1,000.00
Henrietta J. Meeteer, Ph. D., Dean of Women.....	1,000.00
Fordyce P. Cleaves, M. A., Instructor in Oratory.....	500.00
George C. Taylor, M. A., Instructor in English.....	1,200.00
James F. Royster, B. A., Acting Instructor in English....
Robert W. Stevens, Instructor in Music.....	1,200.00
Louise M. Peters, B. A., Assistant in German.....	100.00
Amandus Johnson, B. A., Assistant in German.....	200.00
Ida T. Speidel, M. S., Assistant in Mathematics.....	200.00
Harvey E. Murdock, Assistant in Mathematics.....	100.00
Helen J. Aldrich, B. A., Assistant in Romance Languages..	200.00
Elizabeth C. Wilhelmy, Assistant in Romance Languages..	100.00
Fred G. Person, Assistant in Physics.....	200.00
Claude C. Coffin, Assistant in Physics.....	200.00
Luzerne D. Fowler, B. A., Assistant in Greek.....	200.00
Gideon S. Dodds, B. A., Assistant in Biology.....	300.00
Harvey Markman, Assistant in Biology.....	200.00
Adelbert A. Weiland, B. A., Assistant in Chemistry.....	200.00
Roe E. Remington, Assistant in Chemistry.....	200.00
John L. Cozzens, Assistant in Drawing.....	100.00
Ralph D. Crawford, Assistant in Geology.....	200.00
Gertrude S. Bell, Assistant in Education.....	400.00
H. Foster Jones, M. A., Assistant in English.....	200.00
Mary E. Keyser, Assistant in English.....	50.00
	<hr/>
	\$39,550.00

SCHOOL OF APPLIED SCIENCE.

Henry B. Dates, S. B., Dean; Professor of Electrical Engineering	\$ 2,000.00
Milo S. Ketchum, C. E., Professor of Civil Engineering...	2,000.00
John A. Hunter, M. E., Assistant Professor of Mechanical Engineering	1,400.00
George R. Moore, Superintendent of Shops.....	900.00
Fred H. Kroger, B. S. (E. E.), Assistant in Electrical En- gineering	400.00
Howard C. Ford, B. S. (C. E.), Assistant in Civil Engi- neering	400.00
Jacob Faus, Instructor in Shops.....	210.00
	<hr/>
	\$7,310.00

SCHOOL OF MEDICINE.

Luman M. Giffin, M. D., Dean; Professor of the Principles of Surgery and Clinical Surgery.....	\$ 350.00
John Chase, B. A., M. D., Professor of Ophthalmology and Otology	250.00
Thomas E. Taylor, B. A., M. D., Professor of Obstetrics...	220.00
William B. Craig, M. D., Professor of the Principles of Surgery and Pelvo-Abdominal Surgery.....
E. Barber Queal, M. D., Professor of Physiology.....	250.00
Eugene H. Robertson, Ph. M., M. D., Professor of Pathology and Bacteriology	1,600.00
George H. Cattermole, M. D., Professor of Diseases of Children and Clinical Medicine.....	100.00
Frank E. Waxham, M. D., Professor of Medicine, Clinical Medicine, Laryngology and Rhinology.....	340.00
Francis Ramaley, Ph. D., Professor of Histology. (Salary noted elsewhere).	
Charles Fisher Andrew, M. D., Professor of Materia Medica and Therapeutics	100.00
Charles S. Elder, M. D., Professor of Gynecology and Abdominal Surgery	330.00
Newton Wiest, M. D., Professor of Diseases of the Skin....	130.00
Arthur McGugan, B. Sc., M. D., Professor of Psychiatry and Nervous Diseases.....	330.00
John B. Ekeley, Ph. D., Professor of Chemistry. (Salary noted elsewhere).	
James R. Arneill, A. B., M. D., Professor of Medicine and Clinical Medicine	1,000.00
Oscar M. Gilbert, M. D., Professor of Anatomy.....	200.00
Willard J. White, M. A., M. D., Lecturer on Hygiene and Medical Jurisprudence	50.00
Howard F. Rand, M. D., Lecturer on Physical Therapeutics	50.00
Jacob Campbell, M. D., Lecturer on Minor Surgery and Bandaging	100.00
Joseph H. Bair, Ph. D., Special Lecturer on Psychology. (Salary noted elsewhere).	
Dessie B. Robertson, D. D. S., D. D. Sc., Associate in Pathology and Bacteriology.....	350.00
Martin E. Miles, M. D., Assistant in Anatomy, Demonstrator of Anatomy and Lecturer on Neurology.....	400.00

John A. Russell, M. D., Laboratory Instructor in Minor Surgery and Bandaging.....	\$ 25.00
Walter W. Reed, M. D., Laboratory Instructor in Pharmacognosy and Assistant to the Chair of Obstetrics....	50.00
Daniel C. Jacobs, B. S., B. Pd., Assistant in Organic Chemistry	200.00

UNIVERSITY HOSPITAL.

Anna E. Harris, Matron.....	600.00
Eight Nurses	768.00
Hospital employees, as cook, laundress, orderly.....	1,200.00
	\$8,993.00

SCHOOL OF LAW.

Appropriation for traveling expenses of professors and lecturers whose salaries are not indicated.....	\$ 300.00
John Campbell, M. A., LL. B., Dean; Professor of Law of Private and Municipal Corporations.	
Moses Hallett, LL. D., Dean and Professor of American Constitutional Law, <i>Emeritus</i> .	
John D. Fleming, B. A., LL. B., Secretary; Professor of Law and Judge of the Practice Court.....	2,500.00
Albert A. Reed, LL. B., Professor of Law.....	1,200.00
Calvin E. Reed, LL. B., Professor of Law.	
William H. Bryant, B. S., LL. B., Professor of Law.	
Robert Given, B. A., Professor of Law.	
Edwin Van Cise, Professor of Law.	
William H. Pease, B. A., LL. B., Professor of Law.....	1,500.00
Frederic L. Paxson, Ph. D., Professor of American and English Constitutional and Political History. (Salary noted elsewhere).	
Thomas M. Robinson, Associate Judge of Practice Court.	
Hugh Butler, Lecturer on Common Law Pleading.	
Luther M. Goddard, LL. B., Lecturer on Law of Patents, Copyrights and Trademarks.	
Robert S. Morrison, Lecturer on Law of Mines and Mining.	
Charles S. Thomas, LL. B., Lecturer on Law of Evidence.	
Henry T. Rogers, M. A., Lecturer on Law of Corporations.	
Lucius M. Cuthbert, M. A., LL. B., Lecturer on Roman Law.	
John A. Riner, LL. B., Lecturer on International Law.	
Platt Rogers, LL. B., Lecturer on Law of Irrigation.	

John H. Denison, B. A., Lecturer on Equity Jurisprudence,
Pleading and Practice.

Ralph Talbot, B. A., Lecturer on Criminal Law and Pro-
cedure.

Charles D. Hayt, Lecturer on Law of Taxation.

Caesar A. Roberts, M. A., Lecturer on Colorado Civil Code.

Arthur McGugan, B. Sc., M. D., Lecturer on Mental Alien-
ation.

Willard J. White, M. A., M. D., Lecturer on Medical Juris-
prudence.

Ernest L. Williams, LL. B., Lecturer on Conveyancing.

John H. Fry, Stenographer.....\$ 40.00

Frank H. Kinsell, Ph. B., Librarian..... 40.00

Glen F. Mott, Librarian..... 40.00

\$5,620.00

LIBRARY AND PHYSICAL TRAINING.

Alfred E. Whitaker, M. A., Librarian.....\$ 1,600.00

Janet Bird, Assistant Librarian..... 800.00

Hugh P. Remington, Assistant in Library..... 300.00

Granvil B. Warner, Assistant in Library..... 150.00

David B. Cropp, Ph. B., Director of Physical Training and
Athletics 1,500.00

Alfred H. Law, B. S., Assistant in Gymnasium..... 50.00

\$ 4,400.00

PREPARATORY SCHOOL.

(One-third paid by University.)

Henry White Callahan, Ph. D., Headmaster, Instructor in
History and Latin (Plus \$250.00).....\$ 916.66

Eugene E. Gill, A. M., First Assistant and Instructor in
Physics and Chemistry..... 400.00

James F. Denison, B. A., Instructor in English..... 300.00

Albert O. Cooperrider, B. A., Instructor in Mathematics.. 240.00

Matilda Krebs, Ph. B., Instructor in English..... 266.66

Anna M. Grant, B. A., Instructor in Greek and Latin..... 266.66

Carrie E. Orton, Ph. B., Instructor in Latin..... 266.66

Maud Elden, M. A., Instructor in Mathematics and History 266.66

Original from

UNIVERSITY OF ILLINOIS AT
URBANA-CHAMPAIGN

Avery T. Leavitt, Instructor in Drawing.....	\$ 66.66
Hilda C. Kallgren, B. A., Instructor in Mathematics and German	183.33
Wilmatte P. Cockerell, A. B., Instructor in Biology and Physiography	333.33
Lillian McCracken, Instructor in Music.....	120.00
Claude H. Compton, Assistant in Chemistry.....	66.66
Marjery G. Fairchild, Secretary.....	90.00
R. T. Marshall, Janitor.....	270.00
	<hr/>
	\$4,053.28

OTHER EMPLOYEES.

Joseph Klemme, Steward	\$ 540.00
John S. Semones, Superintendent of Heating and Lighting	1,080.00
John Gumeson, Carpenter	900.00
Mort Fitzgerald, Fireman.....	600.00
Fred Anderson, Fireman	405.00
Celso Espinosa, Employee on Grounds.....	540.00
Washington B. Sears, Janitor Main Building.....	360.00
Nine Student Janitors.....	868.50
John A. Dopp, Clerk of Attendance Committee.....	40.50
John K. Mackie, Clerk of Attendance Committee.....	40.50
Edward J. Naugle, Stock Room Assistant.....	198.00
Rose Breach, care of rooms in Woodbury Hall and in Cot- tage No. 2 (estimated)	202.50
	<hr/>
	\$5,775.00

SUMMARY.

Administration	\$ 7,220.00
College of Liberal Arts.....	39,550.00
School of Applied Science.....	7,310.00
School of Medicine.....	8,993.00
School of Law.....	5,620.00
Library and Physical Training.....	4,400.00
Preparatory School	4,053.28
Other Employees	5,775.00
	<hr/>
Total.....	\$82,921.28

SECRETARY'S FEE REPORT.

From May 1, 1903, to October 1, 1904.

RECEIPTS.

Receipts from October 1, 1902, to May 1, 1903, through Omar E. Garwood, Secretary.....	\$ 3,366.29
Receipts from October 1, 1902, to May 1, 1903, through Dr. Luman M. Giffin, Treasurer Medical School.....	4,949.60
Tuitions and Fees from College of Liberal Arts and School of Applied Science.....	11,740.00
Tuitions and Fees from Law School.....	4,648.89
Tuitions and Fees from Medical School.....	4,556.00
Hospital Receipts	6,326.35
Chemistry Fees	1,176.10
Room Rent	1,349.80
Deposits	725.55
Summer School	799.00
Miscellaneous Receipts	1,533.07
	<hr/>
	\$41,170.65

DISBURSEMENTS.

Deposited by Omar E. Garwood, Secretary.....	\$ 3,366.29
Deposited by Dr. L. M. Giffin, Treasurer.....	4,949.60
Deposited with Treasurer.....	32,495.42
Cash in hands Sanford Bell.....	100.00
Notes for Tuition.....	131.25
Cash on hand.....	128.09
	<hr/>
	\$41,170.65

Respectfully submitted,
 E. J. INGRAM,
 Secretary Board of Regents.

REPORT ON PERMANENT FUND.

Board of Regents, State University, Boulder, Colorado:

GENTLEMEN—Below I give you statement of the condition of the University Permanent Fund on October 1, 1904.

University Permanent Fund.....	\$48,269.15
Invested	43,209.39
	<hr/>
Available (cash)	\$ 5,059.76

Unavailable warrants of years 1889 and 1894.....	\$27,763.87
Available warrants of year 1904.....	15,445.52
	\$43,209.39
Total available fund.....	\$20,505.28
Total unavailable fund.....	27,763.87
	\$48,269.15

Very truly yours,

WHITNEY NEWTON,
State Treasurer.

REPORT OF STATE AUDITOR.

To the President and Board of Regents of the University of Colorado:

GENTLEMEN—I submit herewith a statement of funds received to the credit of the University of Colorado from October 1, 1902, to October 1, 1904.

General Fund	\$188,781.86
Special Appropriation	36,090.54
Land Income	1,018.67
	\$225,891.07

Warrants drawn in favor of the Treasurer of the University of Colorado between October 1, 1902, and October 1, 1904.....\$225,891.07

Respectfully submitted,

JOHN A. HOLMBERG,
Auditor of State.

TREASURER'S REPORT.

From October 1, 1902, to October 1, 1904.

RECEIPTS.

Cash on hand October 1, 1902.....	\$ 51,782.77
State Treasurer, General Fund.....	188,781.86
State Treasurer, Special Appropriation.....	36,090.54
State Treasurer, Land Income.....	1,018.67
Receipts from Medical School and Hospital.....	4,949.60

Receipts from University Secretary.....	\$ 3,366.29
Receipts from Secretary Board of Regents.....	32,495.42
Advanced First National Bank.	
National State Bank.	
Boulder National Bank.....	69,819.30
Due from E. J. Temple.....	200.00
	<hr/>
	\$388,504.45

DISBURSEMENTS.

Warrants paid from October 1, 1902, to October 1, 1904..	\$376,877.08
Cash on hand, General Account.....	\$6,427.37
Special Account	5,000.00— 11,427.37
Cash in hands E. J. Temple, former Secretary of Board of Regents	200.00
	<hr/>
	\$388,504.45

W. H. ALLISON,
Treasurer.

SECRETARY'S REPORT.

From October 1, 1902, to October 1, 1904.

Warrants issued in payment of expenses of the several Departments of the University during the biennial period, October 1, 1902, to October 1, 1904:

General Administration—Regents' service and mileage, President's and Secretary's salary, etc.....	\$ 14,361.56
College of Liberal Arts and School of Applied Science—Instruction and expense.....	84,097.74
Summer School—Instruction	1,619.00
School of Medicine—Instruction, apparatus, hospital and other expenses (largely reimbursed by medical tuitions and hospital receipts).....	27,366.14
School of Law—Instruction, library and other expenses, (partly reimbursed by tuitions).....	10,216.67
Preparatory School—Instruction and other expenses....	8,717.54
Library—Service, books, periodicals, binding and supplies	9,551.33
Biology—Books, apparatus, supplies.....	1,058.42
Chemistry—Books, apparatus, supplies.....	2,350.43
Economics—Books	183.91
English—Books	99.40

Original from

Geology—Books, apparatus, supplies.....	\$ 1,536.02
German—Books	55.03
Greek—Books	687.91
History—Books	576.03
Latin—Books	429.41
Literature—Books, supplies	697.85
Mathematics—Books, apparatus, supplies.....	753.10
Music—Books and supplies.....	72.95
Philosophy—Books, apparatus, supplies.....	188.78
Psychology and Education—Books, apparatus, supplies..	1,135.11
Physics—Books, apparatus, supplies.....	798.47
Romance Languages—Books	223.90
Civil Engineering—Books, apparatus, supplies.....	2,288.99
Electrical Engineering—Books, apparatus, supplies.....	4,751.89
Mechanical Engineering—Books, apparatus, supplies.....	4,686.65
Buildings and Grounds—Salaries (janitors, heating and lighting service and care of grounds), repairs, light, fuel, insurance, horses, water rent, unclassified.....	26,232.59
Buildings and Grounds—New buildings, improvements on buildings and improvements on grounds. From October 1, 1902, to December 1, 1903. \$71,576.16 From December 1, 1903, to October 1, 1904. 62,689.14—	134,265.30
Furniture and Supplies.....	7,725.05
Printing	7,148.63
Stationery and postage.....	2,806.12
High School Inspection.....	* 1,832.95
Lectures by Faculty members.....	847.40
Advertising	835.63
Refund of fees and tuitions.....	666.65
General Unclassified Account (interest included).....	10,708.39
*Total.....	\$371,572.94
Warrants issued, not paid by October 1, 1902.....	7,225.26
Warrants issued, not paid by October 1, 1904.....	1,921.12
	<hr/>
	\$ 5,304.14

* September, 1904, salaries not included.

Warrants issued from October 1, 1902, to October 1, 1904. \$371,572.94

Warrants paid by Treasurer from October 1, 1902, to October 1, 1904.....\$376,877.08

Respectfully submitted,

E. J. INGRAM,
Secretary.

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, 1902, to October 1, 1904.

ADDITIONS.

The total number of volumes accessioned and placed in the Library during the two years is 6,392, derived from various sources, as follows:

Gifts (U. S. Publications)	1,095
Gifts (Miscellaneous)	1,540
	<hr/>
Total gifts	2,635
Binding	888
Purchased	2,869
	<hr/>
Total accessions	6,392

DONATIONS.

Gifts have been received, entered and acknowledged as follows:

Books	1,386
Newspapers	54
Pamphlets, College catalogues, etc.....	2,125
Maps, charts, etc.....	11
	<hr/>
Total.....	3,576

Donations shown in detail on pages 16-17.

BINDING.

Periodicals (completed volumes).....	858
New books (issued in paper).....	830

Original from

Rebound	49
Newspapers	30
Total.....	1,767

SUMMARY.

Number of volumes reported October 1, 1902.....25,531

Additions—

By gift (U. S. Publications).....1,095

By gift (Miscellaneous).....1,540

Total by gift..... 2,635

By binding

888

By purchase

2,869

 6,392

Total 31,923

Deductions—

Cancelled (lost and worn out)..... 123

Less found and returned..... 15

Total deduction..... 108

Total number of volumes in Library October 1, 1904.....31,815

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-seven acres (estimated present value unimproved)	\$ 57,000.00
Improvements, as fences, grading, roads, walks, pipes, drains, trees, lake, bridges, athletic field.....	26,300.00
	<hr/>
	\$ 83,300.00

BUILDINGS.

(Approximate cost of each.)

Main Building	\$ 37,300.00
University Cottage	6,700.00
Medical Building	9,000.00
Cottage No. 1.....	8,400.00
Cottage No. 2.....	3,800.00
Anatomy Building	2,500.00
Woodbury Hall	24,800.00
Hale Science Building.....	48,100.00
Engineering Building	47,000.00
Heating plant, boilers, pipes in ground, fan house.....	12,500.00
Observatory	300.00
Ice House	300.00
Stable and Shed.....	1,200.00
Chemistry Building	10,000.00
Gymnasium Building	6,000.00
Hospital, furnished	15,000.00
Library Building (not including extension of heating pipes in ground).....	75,500.00
	<hr/>
	\$308,400.00

FURNITURE, ETC.

Team, implements, tools, engineer's and carpenter's supplies, heating and electric supplies (value).....	\$ 2,669.00
Room furniture, as chairs, settees, desks, tables, movable cases, pictures, office furniture, dormitory and dining hall equipment, shades and janitor's supplies, gymnasium apparatus (value).....	16,381.00
	<hr/>
	\$ 19,050.00

LIBRARY.

Library (value)	\$ 50,000.00
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APPARATUS.

Biology	\$ 1,834.00
Chemistry	4,458.00
Civil Engineering	4,721.00
Comparative and English Literature.....	600.00
Electrical Engineering	9,223.00

Original from

Geology	\$ 1,985.00
German	20.00
Graphics	470.00
Greek	501.00
Hospital	2,753.00
Latin	20.00
Law	450.00
Mathematics	701.00
Mechanical Engineering	6,262.00
Medicine	4,499.00
Music	91.00
Physics	7,602.00
Psychology	953.00
	<hr/>
	\$ 47,143.00

COLLECTIONS.

Art	\$ 1,800.00
Biological	1,530.00
Geological and Mineralogical.....	2,860.00
	<hr/>
	\$ 6,190.00

SUMMARY.

Grounds	\$ 83,300.00
Buildings	308,400.00
Furniture, etc.	19,050.00
Library	50,000.00
Apparatus	47,143.00
Collections	6,190.00
	<hr/>
	\$514,083.00