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Biennial Report

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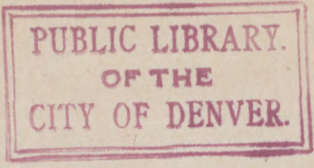
University of
Colorado.

BOULDER, OCTOBER 1, 1892.

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University of Colorado.

BOULDER.

To the State Superintendent of Public Schools, Colorado.

DEAR SIR:

I have the honor of presenting the Eighth Biennial Report of the State University of Colorado.

I came to the duties of the Presidency in January last. Reference to the previous work of the institution has already appeared in public utterances, and need not be repeated here. I shall endeavor to set forth the work of the past few months together with present prospects, needs, etc.

DEPARTMENTS.

The State University is the head of the Public School System of Colorado. It is a true University in both the American and the German sense, and it is the one of our public institutions that represents Higher and Liberal Education. It is a University in the American sense, because it contains the College and the Professional Schools; in the German sense, because it is arranging to offer Graduate Courses with true Seminary methods. The State Preparatory School is connected with the University but it does not properly rank as a department of it, for the reason that the work of a University cannot include Secondary Education.

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The Departments of the University are as follows:

COLLEGE OF LIBERAL ARTS	{	<p>CLASSICAL COURSE, leading to the degree of A. B.</p> <p>PHILOSOPHICAL COURSE, leading to the degree of Ph. B.</p> <p>SCIENTIFIC COURSE, leading to the degree of B. S.</p> <p>LITERARY COURSE, leading to the degree of B. L.</p>
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GRADUATE COURSES, leading to the degrees of A. M. and Ph. D.

COLORADO SCHOOL OF SCIENCE, technological, to be developed as rapidly as possible.

COLORADO SCHOOL OF MEDICINE.

COLORADO SCHOOL OF LAW.

COLORADO STATE PREPARATORY SCHOOL, conducted by the University.

THE COLORADO DIVINITY SCHOOL is located in Boulder in order to use some of the University courses, but it is not governed or supported by the University.

RELATION TO THE STATE.

Since undertaking the duties of my office some things have been done looking toward the growth and usefulness of the University.

It was thought that the University had not performed its whole duty when the departments were organized and made ready for the accession of students. A necessary and proper function of the Regents and Faculty is to go forth to the people and make known the existence and importance of Higher Education as provided by the State.

Through the voluntary co-operation of a generous press, the efforts of members of the Faculty in visiting schools, institutes, etc., and the use of circulars, a wide interest concerning the University has been aroused.

CONNECTION WITH HIGH SCHOOLS.

Since the University is in the line of that general education which begins in the common schools, and since a complete course to and through the University is the ideal attainment for every youth of Colorado, the relation of the High Schools to the University is of vital importance. More than a little has been done within a year to effect a recognition of the connection on the part of the High Schools, and many of the High Schools are adopting the State Courses and are modifying or enlarging their work in order to prepare for the University. The natural thing for a graduate of a Public High School, who desires a higher education, is to enter the University, and this as much because of the superior work there done, as from the feeling of loyalty which all public-spirited citizens and all pupils in the public schools should entertain toward their State and their school system.

MEDICAL SCHOOL.

The Medical School, which was languishing because of poor clinical advantages, has been completely reorganized with a large and strong Faculty, and it has been arranged to conduct the last two years of the Course in Denver. This is not in any sense a removal of the Department to Denver. The first year of the course, all the executive work, etc., remain in Boulder; the upper classes are taken to Denver to enjoy the necessary and just privilege of clinical work. A building which is ample and convenient has been rented on Stout street, near Seventeenth. The work of the School this year is to lay a careful foundation for a strong growth, and the success of the experiment is already assured. The expense of this school

to the State is merely nominal. The rents, incidental expenses and salaries of the professors fall within \$4,500 per annum. Practically, the Faculty donate their services.

LAW SCHOOL.

Owing to a considerable demand for a Law School in the Rocky Mountain region, it was thought desirable to establish one as a department of the University. Judge Moses Hallett consented to become Dean and undertook the arduous work of organizing a Faculty, aided by the efficient co-operation of the Secretary, Charles M. Campbell. The men secured are among the leading practitioners of the Colorado Bar, and they constitute one of the strongest Faculties the country affords. The School opens with twenty-five students, a number far beyond the most sanguine hopes of its friends. The Hospital has been converted into a Dormitory and Lecture Hall for the Law School. The students have named the place Kent Hall, an appellation which the University is willing to adopt because of its fitness and convenience. At present the instructors and lecturers are performing their work without salary. The incidental expenses of this Department are limited for the current year to \$1,500. The foundation of a Law Library has already been laid. The Department is one of large promise, and the University and the citizens of Colorado owe a debt of gratitude to the men who with loyal spirit are doing this work at loss of time and income.

STATE PREPARATORY SCHOOL.

The State Preparatory School, under the government of the University, has increased in size until there is no longer room for all the classes upon the campus. This was foreseen last year and arrangements were made to conduct the First Year of the School outside of the College grounds. The City of Boulder offered the use of rooms, and, recognizing the needs of the University, agreed to pay the larger share of the entire expenses. The prompt and generous

action of Boulder at this time is deserving of much praise. The relation of the First Year to the University is the same as formerly; the students are those who would have entered under any condition; the courses are Preparatory courses; the school is conducted as a Preparatory school; and it is under the control of the University.

The length of the courses has been changed from three to four years, and the work is most efficient and of the highest standard in every department. The grade is now on a par with that of the best fitting schools in America. Dr. Burdick, the Principal, was chosen for his eminent fitness to conduct preparatory work. This department is maintained (1) for pupils from districts in the State of Colorado having no High Schools, (2) for those who cannot find at home the desired preparatory course, (3) for students from other states who desire a superior preparation for college. Already nearly half of the students are from remote places. Some of the courses offered are excellent as finishing courses.

It is the purpose to maintain this School, because a central Preparatory School of high grade will long be a necessity for Colorado. The two classes now conducted in the college buildings will be forced out within a year or two by the University students, and it is of vast importance that immediate provision be made for them. There should be an expenditure of \$75,000 for a building and dormitory for the Preparatory School. Should the present arrangement with the City of Boulder be continued and prove satisfactory to our legislators, much of this expense to the State would be saved.

SPECIAL STUDENTS.

The courses of the University are open to all citizens of Colorado of suitable age and attainments, even though they may not aim at a degree, provided good reasons may be offered for pursuing partial work. This privilege has

been used in many cases to advantage, and any students, singly or in a body, having satisfactory reasons, are welcomed to the University as specials.

In view of these facts, the Colorado Divinity School, a Union organization, has recently been located in Boulder. The faculty is made up of representatives of some eight denominations. The studies of the University that are of service in a Theological course are used freely by the Divinity Students. This requires no additional expenditure by the University, and it is a great saving and advantage to the School. The Divinity School is not governed or supported by the University, but will use some of its courses. This union of Theological and Secular training will prove beneficial to both institutions. This movement is a long step in advance; if successful, it will make an epoch in church history. The press of the entire country has made extended comment, which in the main is favorable to the enterprise.

SCIENTIFIC SCHOOL.

It is apparent that the growing needs of Colorado and the future of the University demand a department which already exists in most state universities. I refer to a Scientific (Technological) School. The admirable work already done in the Scientific and Mathematical Departments is a foundation for such courses as are offered, for example, in the Sheffield Scientific School. By the addition of one special professor, work in Civil and Electrical Engineering can be begun at once. In due time we shall aim at Mechanical Engineering as well as Civil and Electrical. The courses will be four years in length, and the College standard of admission will be required. There is no purpose to cover the ground of Mining and Agriculture, since these departments already exist as separate schools in the State. We believe that this

school will become an important department of the State University.

BUILDINGS AND GROUNDS.

All the buildings on the campus have undergone some necessary repairs during the past few months and the grounds have been improved to a noticeable extent. The Athletic grounds have been put in good condition.

GROWTH.

There is a large increase in attendance—seventy-five per cent more than last year. The most noticeable and important increase is in the Freshman Class. This numbers thirty-five, and represents every section of the State—only four are from Boulder and vicinity. The Preparatory School has an entering class of over ninety pupils; an unprecedented number. Owing to the adjustment of the new courses, a few of these are located in the second year. The Law School opens with twenty-five members. In spite of its changes and re-organization, the Medical School has an attendance between two and three times as large as that of last year. The entire enrollment for the year, including the Preparatory School, will amount to about 300.

NEEDS.

In my Inaugural Address, I set forth the needs of the University about as follows:

- Completion of the Scientific Building.
- Repairing of the Main Building.
- A new Main Building.
- A Ladies' Dormitory.
- An Extension to Woodbury Hall.
- A Gymnasium.
- A Building for the Law School.
- An Observatory.
- A Library Building.

Facilities for the Preparatory School.

Improvement of the Campus.

Addition to the Library.

More apparatus and better facilities for all departments.

More Professors.

Additional Income for the Medical School.

Additional Income for the Law School.

The Beginning of a Scientific (Technological) School,
like the Sheffield at Yale.

The above is a plain enumeration of needs, and all are genuine. It is unnecessary to say we do not expect all of them to be supplied at once, but we do expect that our legislators will recognize the mission of the great state universities; that they will desire to make the University of Colorado the peer of any; that they will recognize the cost of the many departments; that they will see the necessity of immediate expenditure to secure future growth; and that they will do justice both absolute and relative to the State University. The institution invites investigation as to its growth, its needs and its prospects. The University as a whole should cost five times as much as any one school or department. With increase of facilities, its growth will be surprisingly rapid.

It is imperatively necessary that the annual income of the University be increased, and that, in addition, certain of the needs enumerated be met this year by special appropriations. A specific statement will doubtless be made by the Regents to the proper committees of the next General Assembly.

DONATIONS, ETC.

Col. Ivers Phillips, a prominent and revered citizen of Boulder, recently donated \$1,000 to the Latin Department of the University, to be expended for illustrations in Roman Archaeology. Early in the year, the City of Boulder contributed \$2,000 to meet certain needs of the Institution.

For both these gifts the University desires to publicly make grateful acknowledgements.

These donations show a confidence in our work and growth, and they are but the beginning of private munificence which, within a few years, will be shown toward the University. A liberal policy on the part of the State at this time will invite the confidence of citizens, and increase the probability of private assistance.

The Union Pacific Railroad has recently consented to run a mid-day train, called the "University train," between Denver and Boulder. It has built a platform and side track opposite the University for the convenience of students and members of the faculties. These accommodations will be helpful to the University, and its friends are grateful to the liberal management of the road. Mr. George Ady, general agent of the passenger department, and Mr. W. A. Deuel, general superintendent of the Gulf division, Union Pacific Railroad, have been especially instrumental in securing a recognition of the need of this train and the advantage that it will be to the Railroad.

STANDARDS.

After a careful estimate of the work here I can say with confidence that the standards of the University of Colorado are high throughout. The Freshman Class of this year has been admitted upon the standards advertised in the last catalogue, although several applicants have been conditioned. There is promise that many young High Schools will improve their courses during the present year in order to reach the standards more fully.

The length of the Preparatory work has been increased from three to four years, and the work itself has been put upon a superior basis. The Science work in the University is of the very highest grade in amount and quality; the methods are abreast of the most advanced. The progressive spirit and thorough investigation in all departments, I believe, would surprise any intelligent observer. We pro-

claim with confidence that no student of Colorado now needs to go East for Higher Education. If the Universities of Michigan, Minnesota, Wisconsin and California have claims upon their young men and women, so, henceforth, has this University a claim upon the youth of Colorado. And it invites them in the name of a reasonable loyalty to the Public School System, and because of the excellence of the work offered. A graduate of last year has just entered the Harvard Graduate School on a par with her own Alumni, and our University has furnished two instructors to Yale and one to Leland Stanford.

There would be less need to speak of our standards were terms used everywhere in the West with discrimination and wisdom. It is desirable that there should be a correct understanding of what constitutes a College or a University. The wrong use of terms tends to confuse people and harm the cause of education. Probably the majority of our best educators would be glad to limit to Higher Institutions of Liberal Education and Science Schools of college grade whatever should be distinctively characteristic of them. The American College of to-day gives a degree at a point eight (not less than seven) years beyond the Grammar School. This standard is maintained by the University of Colorado in all its Academic Courses.

Unfortunately, many expect that under equal conditions a College should contain as many students as a Grammar or High School. The world over, students in Higher Courses of Liberal Training are relatively few, but they, in the aggregate, become of inestimable value to the world. The State University is young but it has been accumulating strength for a vigorous growth. The capital that may be invested now will bring large returns speedily.

ADMISSION.

A carefully guarded certificate system has been employed for admitting students to the Collegiate Department of the University. A few High Schools have already

been placed upon the "accredited" list, and the number will be increased as the improved standards of other schools may warrant. Recommendations for admission without examination, coming from non-accredited High and Preparatory Schools, and from Normal Schools in good standing, are considered by the Faculty. I speak especially of the admission of Normal graduates, because of the interest in the subject shown in a department of the National Educational Association at its last meeting. In a prominent group of Principals of Normal Schools there was a strong sentiment favoring a connection between Normal Schools and Colleges, such as exists between High Schools and Higher Education. It was further held that one work of Normal Schools should be to inspire toward Higher Education, and that many of the graduates should seek the broad training of college before beginning their life work.

THE FUTURE.

The next five years should see 300 students in the College, 200 in the Professional Schools and 400 in the Preparatory School. This is undoubtedly too conservative an estimate. There is no reason why the glorious history of other state universities should not be repeated in Colorado. Unless ignorance and selfishness stand in the way, it needs no seer to predict a great future for the State University.

FINANCIAL REPORT.

I herewith submit the Financial Report for the last two years, as presented by the Secretary of the Board of Regents and the Treasurer of the University, also the Report of the Librarian.

Very respectfully,

JAMES H. BAKER,
President of the University of Colorado.

BOULDER, Colo., October 1, 1892.

