

# BULLETIN

OF THE

# UNIVERSITY OF MISSOURI

VOL. V.

JULY, 1904.

NO. 7.

## CIRCULAR OF INFORMATION.

### **Historical Statement.**

The Legislative Act establishing the University was approved 11 February, 1839. The University was located at Columbia, now a beautiful town of 7,000 inhabitants, midway between St. Louis and Kansas City, on the Wabash Railroad, and also on the Missouri, Kansas & Texas. The School of Mines, a Department of the University, was located at Rolla, Missouri, in 1870.

### **Resources.**

Our buildings, grounds, books, and other equipment are valued at more than \$1,600,000, not including the campus or the grounds for Botany, Horticulture, and Agriculture. The endowment (interest at 5 or 6 per cent), is \$1,236,000. The income from the United States Government (Hatch and Morrill Acts) is \$38,150 a year. The Legislature makes appropriations biennially. There is some income from fees for libraries and laboratories. There are 47,427 acres of unsold land. A State Collateral Inheritance Tax yields about \$120,000 a year. The income of the whole University, from all sources and for all departments, has been, for some time, from \$400,000 to \$430,000 a year.

### **Free Tuition. Expenses.**

Tuition is free in all Departments—Graduate, Academic, Teachers College, Medicine, Law, College of Agriculture, Engineering, School of Mines. In all these Departments, except Law and Medicine, the only charges are a library fee of \$5 a session and small laboratory deposits covering the cost of materials used by the students. In Medicine the only charge is a library fee of \$10 a year and small laboratory deposits. In Law, the only charge is a library fee of \$10.

The expenses for room, board, books, and fees vary. For students that board in our club houses these expenses need not exceed \$150, nor more than \$200 a year for those that board in private families. The fees in some colleges and universities will bear all expenses here.

### **Buildings.**

Three Dormitories, President's house, Academic Hall, Laboratory of Geology and Zoology, Chemical Laboratory, Observatory, Power house, Engineering Hall, Engineering Laboratory, Mechanic Arts Hall, Agricultu-

ral Hall, Dairy Laboratory, Live Stock Laboratory, Laboratory of Horticulture, Entomology and Botany, Greenhouse, Agricultural Farm buildings, Law building, Medical Laboratory, Hospital. We expect this summer to lay the foundation of a new Gymnasium. Moreover, our School of Mines has seven buildings.

**Libraries.** We have a library for general readers and several department libraries for advanced students. These libraries contain 65,000 bound volumes and 30,000 pamphlets. Moreover the collections of the State Historical Society, 23,000 entries, in Academic Hall, are accessible to our students.

**Laboratories and Museums.** There are at Columbia museums of Archæology, Art, Zoology, Geology, and Agriculture, many laboratories of science and technology, seven rooms for drawing and designing, and several shops. The School of Mines has several laboratories and drawing rooms and shops. Of the \$252,000 expended for new buildings in 1902, \$154,000 went for laboratory buildings. Nearly \$60,000 more were spent for their better equipment. Thus about \$214,000 were invested that year in better facilities for our laboratory work and other sums in 1903.

**Faculties.** Our faculties contain, all told, more than 120 teachers. Our students come from almost every county in Missouri. Fifty-three states, territories, and foreign countries were represented here in the session of 1903-1904 by 1649 students.

**Women Admitted.** All Departments are open to women. A suite of rooms in Academic Hall, beautifully furnished, strictly private, and in charge of a matron, is reserved for their special use. Read Hall, the new Dormitory for women, is in charge of Miss Lewis, the Adviser of Women.

**Requirements for Entrance.** A good high school education, or its full equivalent, and evidence of good character are demanded for admission to any department. Applications for admission should be addressed to "The Committee on Entrance, University of Missouri, Columbia, Mo."

**Religious Influences.** Almost all denominations are represented at Columbia, which is notable for the excellence of its churches. The University has a zealous chapter of the Young Men's Christian Association, and one of the Young Women's Christian Association. There is a students' prayer meeting every week. Prayers by officers of the University are held daily. Attendance upon religious exercises is voluntary. An astonishing number of students voluntarily attend Bible classes.

**Debates and Athletic Sports.** Our students have teams for foot ball, base ball, basket ball, track athletics, and lawn tennis. There is a Gymnasium for men and another for women. The Athletic Fields and the Golf Links are excellent. Much success has attended our contestants in inter-collegiate debates.

**Graduate Department.** To graduate students instruction is offered in Latin, Greek, Classical Archæology, English, Germanic Languages, Romance Languages, History, Sociology, Economics, Political Science, Philoso-

phy, Experimental Psychology, Pedagogy, Mathematics, Zoology, Botany, Chemistry, Geology, Physics, Physiology, Agriculture, Horticulture, and Engineering (Civil, Electrical, Mechanical, Sanitary, Chemical, Hydraulic, and Mining). There are a number of Fellowships and Scholarships. Elective courses are offered leading to A. M., Ph. D., and to graduate degrees in Engineering.

### **College.**

Instruction is offered in English, Latin, Greek, Classical Archæology, History of Art, Freehand Drawing, Romance Languages, Germanic Languages, Elocution, Philosophy, Experimental Psychology, History, Economics, Political Science, Sociology, Pedagogy, Mathematics, Physics, Chemistry, Zoology, Botany, Physiology, Geology, and Astronomy. One undergraduate degree is conferred, requiring four years' work, Bachelor of Arts (A. B.). All work in the College is elective.

### **Teachers College.**

Upon the completion of certain courses the student receives a Life Certificate, entitling him to teach without examination in any public school in Missouri. All the work in Education may be counted toward the degree of Bachelor of Science (in Education) and most of it, toward the degree of Bachelor of Arts. The University is the only institution in Missouri, where, at once, one may enjoy the range of college studies, get instruction in Pedagogy, and become expert in Shop Work, Sloyd, Mechanical Drawing, Freehand Drawing, Agriculture, Horticulture, Vocal Music, etc. There is a Practice School. This College, thoroughly reorganized, will be very effective next year.

### **Engineering.**

Courses are offered at Columbia leading to degrees in Civil, Electrical, Mechanical, Sanitary, Chemical, and Hydraulic Engineering. Mining Engineering and Metallurgy are taught at the School of Mines. Our facilities for teaching Engineering have been greatly increased in recent years, and in 1902 about \$44,000 was invested at Columbia in buildings, books, and apparatus for Engineering, and about \$92,000 at our School of Mines. In addition to this, we expended \$8,000 for water works on the campus, \$5,000 for a refrigerating machine, and \$7,000 for additions to our heating and lighting plant. All these things were adapted, so far as possible, to experimental as well as to practical use. Thus, in 1902, in the whole University, we spent the sum of \$156,000 for buildings, books, and instruments for Engineering and things auxiliary thereto, and other sums in 1903. We cannot satisfy the demand for our graduates.

### **Law.**

The course is three years long, leading to the degree of Bachelor of Laws. Our diploma admits to practice in all the courts of Missouri, both State and Federal. In addition to the Professors of History, Economics, Political Science, Sociology, etc., there are four Professors of Law who devote themselves to teaching, writing, and research, besides a large staff of non-resident Lecturers. Our students are not taught by men wearied with practice in courts and in offices. A Practice Court meets three times a week. No extra charge is made for any instruction that the student may receive in any other department. In 1902, \$7,000 was expended in additions to our law library, and as much more in 1903.

## **Medicine.**

The course consists of four years of nine months each—thirty-six months. Our laboratories of Internal Medicine, Surgery, Anatomy, Histology, Embryology, Neurology, Pathology, Bacteriology, Hygiene, Physiology, Physiological Chemistry, Pharmacology, Chemistry, and Physics are in charge of men that devote themselves to teaching, writing, and research. No man can conduct one of these laboratories up to modern demand and practice medicine. Wherever the attempt is made, the laboratory work suffers. There are animal rooms, aquaria, a mechanic's shop, research rooms, and a cold storage plant. The equipment alone of the laboratories named above has cost over \$50,000, and the buildings \$175,000 more. In the Parker Memorial Hospital, on our campus, with a capacity of 50 beds, the sick receive medical attendance and nursing at moderate charges. In 1902 we spent nearly \$50,000 in better provision for our Medical Department and other sums in 1903.

## **College of Agriculture.**

This College has well equipped laboratories for Agricultural Chemistry, Agronomy, Stock Judging, Animal Husbandry, Veterinary Science, Dairy Husbandry, Botany, Entomology, and Horticulture. In each of these departments specialists devote their time to instruction and investigation. Several new teachers have been added, and about \$100,000 has been recently expended for buildings and equipment. The attendance in agriculture has increased greatly of late. The Experiment Station, a department of the College, is devoted to research for the benefit of the farmers. Its investigations in Texas Fever, cattle feeding, injurious insects, fruit growing, and market gardening have already saved the farmers of Missouri vast sums of money. The shops for Mechanic Arts are admirable. The farm contains 615 acres. We cannot satisfy the demand for our graduates.

## **Mines and Metallurgy.**

Our School of Mines and Metallurgy at Rolla is one of the best. It has been growing in buildings, equipment, teachers, and attendance. Courses are offered in Mining, in Metallurgy, etc. The special catalogue of this Department will be sent upon application to the Director, "Dr. George E. Ladd, Rolla, Mo."

## **Summer Session.**

The Summer Session, intended primarily for high school teachers, began 2 June, and will extend to 2 August. Courses are given in Agriculture, Botany, Chemistry, Economics, Education, English, Freehand Drawing, French, German, Geology, Greek, History, Horticulture, Latin, Manual Training, Mathematics, Music, Physics, Physiography, and Zoology. If accredited here, the work is accepted by the State Superintendent of Public Schools. The fee is \$5. Special railroad rates.

## **Catalogue.**


If this circular interests you, write for a catalogue of the whole University, or of any Department, to the Registrar, "Mr. Irvin Switzler, Columbia, Missouri." Persons, thinking seriously of entering the University and wishing to see plates of its buildings, should write for them. If possible, see our great exhibit in the Education Building at the World's Fair at St. Louis.

R. H. JESSE, President.

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Scanning software	ScandAll PRO v. 2.1.5 Premium
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File types	Tiff

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