UNIVERSITY OF CALIFORNIA.

BIENNIAL REPORT

OF THE

PRESIDENT OF THE UNIVERSITY

ON BEHALF OF THE BOARD OF REGENTS,

TO

EXCELLENCY THE GOVERNOR OF THE STATE.

1893.

SACRAMENTO:


1894.
colder States, when farmers can be spared from their homes. But some respite from work seems possible, on the part of enough to form several classes, say for a month or six weeks, with decided benefit to the students.

The College of Mechanics is about to be transferred to the very commodious building erected for its use. There will be especial facilities for the study of Electrical Engineering. Assistant Professor Cory, a graduate of Cornell University, has been added to the staff of instruction.

The College of Civil Engineering is now, after many years cramping, to find larger quarters in the building left by the College of Mechanics, where the value of its work can be much increased. The professor in charge reports an increase in the number of courses offered. He is anxious to obtain an assistant who can give instruction in Architecture. Much of the instruction needed for that study is already furnished, and a considerable number of students are waiting for the full establishment of this course. I regard Professor Soule's recommendation as worthy of immediate attention.

The College of Mining has organized a laboratory course in practical mining. Summer excursions for the study of practical mining were begun in 1892, taking the students through some of the principal mining counties.

The College of Chemistry has for several years conducted a summer school in its new quarters. The attendance is large and increasing. This, as the department claims, is really a part of our University Extension work, affording opportunities to many school teachers, which they can enjoy only during their summer vacation. Professor Rising deems it very desirable that students enter college with a knowledge of Elementary Chemistry.

The Department of Physics, also, has organized a summer school, with like benefits to teachers in the schools, especially the high schools. Here they learn how to conduct the laboratory work, which is now expected of all the high schools. The laboratory work in Physics has increased five-fold since 1890. Associate Professor Whiting has been added to the teaching staff, with one or two new assistants, but the work in prospect for the next year demands a still larger force.

Last summer a school in Marine Biology was conducted by Assistant Professor Ritter at Santa Catalina Island. Professor E. B. Wilson, of Columbia College, New York, rendered very valuable service during many weeks. Professor Ritter desires leave of absence for a year, to pursue important investigations with the aid of European libraries and biological facilities.

Professor Joseph Le Conte returned from his year's absence in the summer of 1892. At Washington, in that year, he was elected President of the American Association for the Advancement of Science. His address, as retiring President, was given last summer in Madison. He has resumed his lectures in Geology and Zoology, but asks for assistance in the wide field assigned him. The Department of Zoology may properly be combined with the biological work already organized. It is desirable that there should be an assistant in Palaeontology under Associate Professor Lawson's direction. A valuable field map of the region around San Francisco has been prepared by the Geological Department. (See report of the Dean.)

In the Department of Botany much good work has been done with