
THE INTEGRAL



CIVIL DRAFTING ROOM

of frequency meters by the same firm. In the line of photometric apparatus, the department has acquired a rotating lamp device from Queen & Co., a flicker-photometer from Nalder Brothers, a Harcourt pentane standard and a Hefner standard lamp from Kruss and a Lummer-Brodhun contrast screen.

Aside from the above, a number of smaller devices have been constructed by the mechanics for the use of the department.

CIVIL ENGINEERING

In the curriculum of this department some important changes have been made during the past year. For one thing, the course of study was arranged under three heads—first, General Engineering; second, Railway and Geodetic Engineering, and third, Hydraulic and Sanitary Engineering. The tendency of the times seems to encourage a certain amount of specialization in engineering work, and it is thought that the arrangement as outlined above will best permit of this and at the same time give the student a thorough general training in the fundamental principles. At the same time it has the effect of the elective system, the students in any one course being permitted to select subjects from any of the others.

Another important change in the curriculum is the requirement that the Sophomores in the Civil Engineering Department shall take a course of six weeks field practice during the summer vacation. This will be provided for by establishing a camp for the summer school in some satisfactory location where the topographical features will be such as to enable the students to become thoroughly familiar with the use of the engineering instruments in all classes of field work. The work will be under the direction of one of the instructors in the department. All of the engineering schools of the country are attempting to emphasize the engineering field practice and to thoroughly drill their students in the handling of the instruments, and by concentrating efforts upon this subject during the six weeks of the summer vacation, the results must be more satisfactory than when the work is scattered over longer periods of time.

The equipment for the present year has been increased by the addition of a transit and two dumpy levels and there has also been ordered from Bausch and Lomb-Saegmuller Company of Rochester, N. Y., a precise geodetic level. Besides these a number of small instruments have been