

PREPARATION FOR RESEARCH AND THE  
DOCTOR'S DEGREE IN MATHEMATICS.

REPORT OF THE AMERICAN SUBCOMMITTEE OF THE INTERNATIONAL COMMISSION ON THE TEACHING OF MATHEMATICS.\*

THE following institutions are mentioned in this report :

Brown,† Bryn Mawr, California,† Chicago, Cincinnati, Clark, Columbia, Cornell, Harvard, Illinois, Indiana, Johns Hopkins, Kansas, Michigan, Minnesota, Missouri, Nebraska, Northwestern, Pennsylvania, Princeton, Stanford, Syracuse, Virginia, Wisconsin, Yale.

The requirements for the degree of doctor of philosophy in mathematics are not exactly defined in all the above institutions. As a matter of fact, the policy is in force in some of them of definitely advising aspirants for the doctorate to complete their graduate studies at other universities in which graduate faculties in mathematics have long been strong and active. It is, however, clear that this condition is but temporary. The increase in the number of strong men in mathematics is resulting in added strength in an increasing number of institutions. It is, therefore, certain that the number of universities in which graduate work will be carried to a definite conclusion will be greater in the immediate future than at present.

On the other hand, in those universities in which within the past ten years three or more doctorates have been awarded there is a degree of uniformity in the requirements which probably indicates and establishes a standard for the United States—the outgrowth of conditions peculiar to the educational system of this country. This standard may be described by detailing the course and career of a successful candidate in some one of these institutions.

For admission to registration as a candidate for the doctorate, successful completion of an undergraduate course terminating

\* *International Commission on the Teaching of Mathematics.* Committee XIV. — Graduate Work in Universities. Subcommittee 2—Preparation for Research and the Doctor's Degree. Chairman, P. F. SMITH, Yale University; MAX MASON, University of Wisconsin; E. J. WILCZYNSKI, University of Chicago; J. I. HUTCHINSON, Cornell University; G. D. BIRKHOFF, Princeton University. This report was submitted to the Commissioners in December, 1910.

† Data taken from catalogues and necessarily incomplete.