

## MATHEMATICS IN AUSTRALIA.

*The Teaching of Mathematics in Australia.* Report presented to the International Commission on the Teaching of Mathematics. By H. S. CARSLAW. Sydney, Angus and Robertson, 1914. (Agents: Oxford University Press, London and New York.) 8vo. 79 pp.

DURING the deliberations of the International Congress of Mathematicians at Rome in 1908, the necessary steps were taken to organize an International Commission on the Teaching of Mathematics, the members of which were to prepare or procure reports on the teaching of mathematics in different countries. Many of these reports were ready for the Cambridge Congress in 1912, but since then several more have appeared. At this writing, 18 countries have published 172 reports with a grand total of 11,186 pages. Germany has already issued 46 reports with nearly 4,000 pages; the tale is told in about a fifth of this space, each, by Austria with 13 reports, Great Britain with 34 reports, Switzerland with 9 reports, and Japan with 2 volumes. The reports of France and the United States each cover some 700 pages. Of more modest dimensions are, in order of size, the reports from Belgium, Russia (including Finland), Italy, Sweden, Spain, Holland, Hungary, Denmark; then we have the present report from Australia and the 16-page report from Roumania.

Professor Carslaw's name is already a familiar one to many readers of the BULLETIN, from his elementary texts,\* his notable work on the theory of Fourier series and integrals† and his translation of Bonola's Non-Euclidean Geometry.‡

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\* Plane Trigonometry, an elementary text-book for the higher classes of secondary schools and for colleges. London, 1909. New edition, London, 1915. Key, London, 1914. An Introduction to the Infinitesimal Calculus. Notes for the use of science and engineering students. London, 1905. Second edition, 1912. Reviewed by A. M. Kenyon in this BULLETIN, January, 1914, vol. 20, pp. 204-206.

† Introduction to the Theory of Fourier's Series and Integrals and the Mathematical Theory of the Conduction of Heat. London, 1906. Reviewed by J. E. Wright, in this BULLETIN, January, 1909, vol. 15, pp. 196-197.

‡ Non-Euclidean Geometry. A critical and historical study of its development by Robert Bonola. Authorized English translation with additional appendices by H. S. Carslaw with Introduction by F. Enriques. Chicago, 1912. Reviewed by A. Ranum in this BULLETIN, October, 1912, vol. 19, pp. 22-23.