THE

MATHEMATICAL

GAZETTE

EDITED BY

W. J. GREENSTREET, M.A.

WITH THE CO-OPERATION OF F. S. MACAULAY, M.A., D.Sc.

AND

PROF. E. T. WHITTAKER, M.A., F.R.S.

LONDON

G. BELL & SONS, LTD., PORTUGAL STREET, KINGSWAY AND BOMBAY

Vol. VIII., No. 126. DECEMBER, 1916.

1s. 6d. Net.

The Mathematical Association.

THE ANNUAL MEETING of the MATHEMATICAL ASSOCIA-TION will be held at the LONDON DAY TRAINING COLLEGE, Southampton Row, London, W.C., on the morning and afternoon of Friday, 5th January, 1917, at 10.30 a.m. and 2.30 p.m. There will also be a Joint Meeting of the Mathematical Association and the Geographical Association on Saturday morning, 6th January.

A circular with full particulars of the arrangements for both days will be issued in due course to Members of the Mathematical Association.

The Mathematical Gazette is issued in January, March, May, July, October, and December.

All correspondence concerning the *contents* of the **Gazette** should be addressed to W. J. GREENSTREET, The Woodlands, Burghfield Common, nr. Mortimer, Berks.

Correspondence relative to the Mathematical Association or the *distribution* of the Gazette should be addressed to one of the Hon. Secretaries:—C. PENDLEBURY, 39 Brandenburgh Road, Gunnersbury, W.; Miss M. PUNNETT, B.A., London Day Training College, Southampton Row, W.C.

Change of address should be notified to a Secretary.

If Copies of the Gazette fail to reach a member in consequence of a change of address, of which the Secretaries have not been informed, duplicate copies cannot be supplied, except on payment of 1s. per copy.

CONTENTS.

												PAGE
"THE PHILOSOPHIC By Gino Loria												325
MATHEMATICAL NOT MAN, M.A.; SII												
A. W. LUCY,	М.А.;	Сн	ARLES	N.	Schm	ALL,	B.A.	, -'		-	-	329
REVIEWS. BY H. H	Р. НŮ	oson,	M.A.	; (т	HE LA	лте) С	c. s.	JACKS	son, 1	М.А.,	-	337
Correspondence,	-	-	-	-	-		-	-	-	-		340
THE LIBRARY, -		-	-	-	-		-	-	-	÷ .	-	340
Евката,	-	-	-	-	. •	-		· -	-	-	÷	340
Books Received,	Conte	NTS (оғ Јо	URNA	ALS, P	етс.,	-		-	-	-	i

NOTICE.

The following Reports have been issued by the Association :—(i) "Reports on the Teaching of Elementary Mathematics," 1902-1908 (Geometry, Arithmetic and Algebra, Elementary Mechanics, Advanced School Mathematics, the Course required for Entrance Scholarships at the Universities, Mathematics in Preparatory Schools), price 6d. net; (ii) "Revised Report on the Teaching of Elementary Algebra and Numerical Trigonometry" (1911), price 3d. net; (iii) "Report on the Teaching of Mathematics in Preparatory Schools," price 3d. net; and (iv) "Report on the Correlation of Mathematical and Science Teaching," by a Joint Committee of the Mathematical Association and the Association of Public School Science Masters, price 6d. net; (v) A General Mathematical Syllabus for Non-Specialists in Public Schools, price 2d. net. These reports may be obtained from the Publishers of the Gazette.

NOW READY. CATALOGUE of current Mathematical Journals, with the names of the Libraries where they may be found. Pp. 40. Price, 2s. 6d.

[&]quot;Even a superficial study convinces the reader of the general completeness of the catalogue, and of the marvellous care and labour which have gone to its compilation."—Science Progress, Jan. 1916.