

THE MATHEMATICAL GAZETTE

EDITED BY
W. J. GREENSTREET, M.A.

WITH THE CO-OPERATION OF
F. S. MACAULAY, M.A., D.Sc.
PROF. H. W. LLOYD-TANNER, M.A., D.Sc., F.R.S.
PROF. E. T. WHITTAKER, M.A., F.R.S.

LONDON

GEORGE BELL & SONS, PORTUGAL STREET, LINCOLN'S INN
AND BOMBAY

Vol. IV., No. 69. JANUARY, 1908.—PART II. 1s. 6d. Net.

The Mathematical Association.

THE ANNUAL MEETING of the MATHEMATICAL ASSOCIATION will be held *at 2 p.m., Saturday, January 25th, 1908, at King's College, Strand, W.C.*

There will be two vacancies on the Council. Nominations thereto are invited, and should be sent to MR. PENDLEBURY, St. Paul's School, London.

There will be a Dinner at the Trocadero at 6.45 p.m., for 7 p.m., on the same day. The charge for the dinner will be 5s., exclusive of wine. Members intending to dine are particularly requested to inform Mr. C. S. JACKSON, 25 Nightingale Place, Woolwich, S.E., by postcard, not later than 18th January. A few names may however be added at the meeting. Morning dress will be worn.

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, Marling Endowed School, Stroud, Glos.

Correspondence relative to the **Mathematical Association** or the *distribution* of the **Gazette** should be addressed to one of the Hon. Secretaries:—C. PENDLEBURY, St. Paul's School, London, W.; H. D. ELLIS, 12 Gloucester Terrace, Hyde Park, W.

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 FIRST LOCAL BRANCH OF THE MATHEMATICAL ASSOCIATION,	201
THE INTRODUCTION OF IRRATIONAL NUMBERS. P. E. B. JOURDAIN, M.A.,	201
MATHEMATICAL NOTES. ALLAN CUNNINGHAM, Lt.-Col. R.E.; P. N. DUTT,	209
QUERIES, - - - - -	212
ANSWERS TO QUERIES, - - - - -	212
REVIEWS. F. S. MACAULAY, D.Sc.; C. S. JACKSON, M.A.; G. B. MATHEWS, F.R.S., - - - - -	215
BOOKS, ETC., RECEIVED, - - - - -	Cover 3

Reprint of the Reports of the Mathematical Association Committee on the "Teaching of Elementary Mathematics," viz. Geometry, Algebra, Arithmetic, Mechanics, and Advanced School Mathematics, together with the Regulations and Syllabus for Geometry in the Cambridge Previous Examination. Price 6d. net. Report on the "Teaching of Mathematics in Preparatory Schools." Price 3d. net. Messrs. GEORGE BELL & SONS, Portugal Street, Lincoln's Inn, London.

BACK NUMBERS OF THE MATHEMATICAL GAZETTE.

THE change from quarto form was made with No. 7. *No. 8 is out of print.*
A few numbers may be obtained from *the Editor* at the following prices,
post free No. 7, 5s. Nos. 9-18, 1s. each.

The set of 7, 9-18, 15s.

These are now out of print and very scarce.