### THE

# MATHEMATICAL

### **GAZETTE**

EDITED BY

T. A. A. BROADBENT, M.A.

#### LONDON

G. BELL & SONS, LTD., PORTUGAL STREET, KINGSWAY, W.C. 2

Vol. XIX., No. 235. OCTOBER, 1935. 3s. Net.

#### CONTENTS.

	PAGE
CHANGE OF ADDRESS, -	249
A CHAPTER ON LIMITS. N. M. GIBBINS,	249
The Problem of $A$ , $B$ , $C$ and $D$ . Sir $A$ . S. Eddington,	256
On Geodesic Ellipses and Hyperbolas. C. E. Weatherburn, -	258
LAGRANGE'S METHOD OF SCALAR ANALYSIS. F. B. PIDDUCK,	260
THE FACTORISATION OF LARGE INTEGERS. C. G. PARADINE,	267
AN ELEMENTARY INTRODUCTION TO LINE GEOMETRY. E. H. SMART,	274
THE INTERPRETATION OF IMAGINARY MATHEMATICAL TIME. G. WINDRED	, 280
MATHEMATICAL NOTES (1158-1164). F. C. BOON; F. BOWMAN; S. G. HORSLEY AND J. TRAVERS; B. E. LAWRENCE; J. E. LITTLEWOOD	
H. V. LOWRY; V. THÉBAULT,	291
A Bristol Colloquium,	298
REVIEWS. W. N. BOND; F. C. BOON; W. J. DOBBS; C. V. DURELL; H. G. FORDER; S. GOLDSTEIN; J. H. HOPE; W. J. LANGFORD; A. F. LOCKWOOD; F. S. MACAULAY; W. H. McCREA; R. M. MILNE	r. ;
E. H. NEVILLE; R. SCHLAPP; G. TEMPLE; H. W. TURNBULL,	299
GLEANINGS FAR AND NEAR (1021-1028),	266
Inset, -	xiii-xvi

Intending members are requested to communicate with one of the Secretaries. The subscription to the Association is 15s. per annum, and is due on Jan. 1st. It includes the subscription to "The Mathematical Gazette" Acting Hon. Treasurer: K. S. Snell, M.A., Harrow School.

Change of Address should be notified to <u>C. Pendlebury</u>, <u>M.A.</u>, 39, Burlington Road, Chiswick, W.4. If Copies of the "Gazette" fail for lack of such notification to reach a member, duplicate copies can be supplied only at the published price.

Subscriptions should be paid to Mr. W. H. Jex, 27 Marlborough Road, Chiswick, London, W. 4.

# G. BELL & SONS

### Graph Book

By C. V. DURELL, M.A., and A. W. SIDDONS, M.A.

Manilla covers, 1s. 6d., or in two parts, 10d. each; stiff boards, 1s. 9d. Teacher's edition, 2s. 6d.

Nine large editions of this well-known book have now been called for, and its usefulness has been proved by use in hundreds of schools. The book is both a textbook and a working exercise-book, and covers all that is needed up to the School Certificate stage.

## Analytical Geometry

By REV. B. C. MOLONY, M.A.

Fifth Edition, 3s. 6d.

Conic Sections are not made to appear the be-all and end-all of the subject, but a special important case after an elementary course in simple curves of any degree has been taken.

" This excellent little book  $\,$  . should be very useful to pupils taking advanced courses."—The A.M.A.

### Practical Mathematics

By A. DAKIN, M.A., B.Sc.

PART I, 5s.; PART II, 4s. 6d.

Examples from Part I, separately, 2s. 6d.

"One of the finest introductions to practical mathematics that has ever come under our notice. . . We have never seen such a fine set of interesting and stimulating exercises."—MATHEMATICAL GAZETTE.

G. BELL & SONS, LTD., PORTUGAL ST., W.C. 2

### MATHEMATICAL ASSOCIATION

In January next Mr. Pendlebury will have been Honorary Secretary of our Association for fifty years. It is proposed to present to him at the Annual Meeting a piece of plate with a suitable inscription, together with a list of subscribers.

Subscriptions, limited to half-a-crown, may be sent to

MISS PUNNETT

17 Gower Street
London, W.C. 1

Any surplus will be handed over to a charity which Mr. Pendlebury will be asked to choose.

A list of contributors will be published with the *Mathematical Gazette*; they are asked to accept this as the only acknowledgment.

A. W SIDDONS

President

October, 1935