

THE MATHEMATICAL GAZETTE

EDITED FOR THE MATHEMATICAL ASSOCIATION BY

R. L. GOODSTEIN

WITH THE ASSISTANCE OF

H. M. CUNDY K. M. SOWDEN

DECEMBER 1956

Vol. XL No. 334

A Class of Configurations and the Commutativity of Multiplication. M. W. Al-Dhahir	page 241
What are x and y ? Karl Menger	246
Some Fundamentals of Space Mechanisms. N. Rosenauer	256
The Inverting Top. D. G. Parkyn	260
Correspondence. A. W. Siddons ; C. V. Durell	266
Mathematical Notes (2631-2660). W. N. Bailey ; J. C. Barton ; A. E. Berriman ; A. N. Black ; F. van der Blij ; H. M. Cundy ; J. Ginsburg ; F. M. Goldner ; R. Goormatigh ; A. Hurrell ; J. Leech ; E. H. Lloyd ; J. Massalski ; G. Matthews ; O. D. Mitri-nović ; E. H. Neville ; A. R. Pargeter ; B. M. Peck ; D. Perčinkova-v'čkova ; H. Perfect ; P. Stein ; G. N. Watson ; A. Wilanski ; L. C. Woods.	267
Reviews. T. A. A. Broadbent ; B. C. Brookes ; H. M. Cundy ; C. V. Durell ; R. L. Goodstein ; C. A. Haywood ; S. Inman ; A. M. Macbeath ; K. Mahler ; D. Pedoe ; A. Prag ; E. J. F. Primrose ; F. Sandon ; F. R. Shaw ; B. A. Swinden ; F. J. Tongue ; T. J. Willmore ; R. C. H. Young	301
Gleanings Far and Near (1865-1871)	245
Address of the Mathematical Association and of the Hon. Treasurer and Secretaries	320

5s. 6d. net

G. BELL AND SONS LTD
PORTUGAL STREET · LONDON · W.C.2



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

SCHOOL MATHEMATICS

by H. E. PARR, M.A. *Part I. 8th Edition. 8s. 9d.; with answers, 9s. 3d. Or in two sections, A and B, 5s. each. Part II. 7th Edition. 11s.; with answers, 11s. 6d. Or in two sections, A and B, 6s. 6d. each. Part III. 5th Edition. 6s. 6d.; with answers, 7s.*

"A book which many teachers will want to try with their classes . . . the bookwork and examples are models of their kind. The type and layout are excellent, the many illustrative diagrams are bold and clear."—JOURNAL OF EDUCATION.

A FIRST GEOMETRY

by C. V. DURELL, M.A. *6th Edition. 224 pages. 6s.*

This book provides a two-year course of Stage A geometry for the years II+ to I3+. "Ideas are introduced gradually. . . . The exercises are very numerous and afford profuse matter for detailed discussions. . . . Throughout, the eye and mind are assisted by numerous diagrams. . . . There are many stimulating questions."—MATHEMATICAL GAZETTE.

MECHANICS

by P. GANT, B.Sc. *3rd Edition. Parts I-III, 9s. Part IV, 5s. 6d.*

"I regard the layout of the bookwork and worked examples as very good and the 'discussions' at the end of the worked examples are admirable."—A SENIOR MATHEMATICS MASTER.

"Clear and direct with a welcome absence of emphasis on formulae."—HIGHER EDUCATION JOURNAL.

MATHEMATICAL TABLES

compiled by C. V. DURELL, M.A. *22nd Edition. 1s. 6d.*

"The 'Difference Columns' in many books of tables give a fallacious appearance of accuracy at times when the differences are changing rapidly. Accordingly, in this book, where necessary, the tables give the average difference for $1'$, calculated over $12'$ intervals instead of intervals of 1° . The use of these difference columns is just as easily learnt and their superior accuracy is evident."—JOURNAL OF EDUCATION.