

# THE MATHEMATICAL GAZETTE

EDITED FOR THE MATHEMATICAL ASSOCIATION BY  
T. A. A. BROADBENT, M.A.  
ROYAL NAVAL COLLEGE, GREENWICH, LONDON, S.E. 10.

LONDON

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

Vol. XXVIII., No. 279.                      MAY, 1944.                      4s. Net.

## CONTENTS.

	PAGE
ON THE DEFINITIONS OF ELLIPTIC FUNCTIONS. C. A. B. SMITH, - -	41
THE ANNUAL GENERAL MEETING, - - - - -	45
CHESS IN THREE AND FOUR DIMENSIONS. N. M. GIBBINS, - - -	46
A DOUBLY INFINITE SYSTEM OF CYCLIC QUADRILATERALS. E. A. MAXWELL,	51
CORRESPONDENCE. H. V. LOWRY; N. E. BLAKE; O. MADDEN, - -	54
MATHEMATICAL NOTES (1709-1726). R. H. BIRCH; R. H. DICK; H. G. FORDER; R. L. GOODSTEIN; C. D. LANGFORD; R. C. LYNNESS; S. MELMORE; E. H. NEVILLE; A. R. PARGETER; N. J. RUMSEY; H. L. SHARMAN; J. W. STEWART; J. STORR-BEST; S. THOMSON; P. C. WICKENS, - - - - -	56
REVIEWS. E. C. CHILDS; K. R. IMESON; C. O. TUCKEY; R. S. WILLIAMSON,	77
MATHEMATICAL FILMS, - - - - -	82
NEWS OF BRANCHES, - - - - -	53, 83

Intending members of the Mathematical Association are requested to communicate with one of the Secretaries, G. L. Parsons, Merchant Taylors' School, Sandy Lodge, Northwood, Middlesex; Mrs. E. M. Williams, 17, Belgrave Square, Nottingham. The subscription is 15s. per annum, and is due on Jan. 1st. It includes the subscription to "The Mathematical Gazette".

Change of Address should be notified to Mrs. Williams. 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 the Hon. Treasurer, Mathematical Association, Gordon House, 29, Gordon Square, London, W.C.1.

Ready in July

# JACOBIAN ELLIPTIC FUNCTIONS

BY

E. H. NEVILLE

25/- net

The emphasis in this treatise is on lattice structure. Elliptic functions with simple poles are attached to an arbitrary lattice, and the Jacobian functions are derived by standardizing the lattice. Elementary properties, fundamental transformations, and relations to theta functions, are inferred from structure, and arranged logically by means of a systematic notation. The inversion problem is solved by an application of the theory of aggregates. Practical needs are met by chapters on the effects of restricting the modulus to the real. Brief introductory accounts of doubly periodic functions in general, and of the Weierstrassian function in particular, without belying the title, bring the whole work back to Cauchy's theorem for starting-point.

OXFORD

UNIVERSITY

PRESS

## AIR NAVIGATION

for Beginners. By A. W. Siddons, M.A., Senior Mathematical Master, Harrow School. 1s. net.

"This is an excellent little book which covers the A.T.C. Syllabus up to the standard of the Part I Proficiency Test. The text is a model of accuracy and conciseness and the diagrams are clear and well printed."—*Mathematical Gazette*. Answers to the numerous examples, which can be attached to the instructor's copy, are obtainable from the publishers.

## SIMPLE ALGEBRA

By Michael Milford, Chief Mathematical Master, Repton School, and R. C. Lyness, Senior Mathematical Master, Bristol Grammar School. 192 pages. With Answers, 3s. 6d., without, 3s.

"This simple but searching first course is admirable for 1st-year pupils as well as for those, mentioned by the authors, who have 'done a lot of algebra' without grasping fundamentals. We heartily commend it."—*The A.M.A.*

## CALCULUS FOR SCHOOLS

By R. C. Fawdry, M.A., B.Sc., late Head of the Military and Engineering Side, Clifton College, and G. V. Durell, M.A., Senior Mathematical Master, Winchester College. 328 pages, with Answers, 7s. Also in two parts, each with Answers: Part I, 3s. 6d., Part II, 4s.

A lucid introduction to the subject, beginning with first principles and reaching the standard required for the Army Entrance Examination and the Qualifying Examination for the Cambridge Engineering Tripos.

Prospectuses from 41 & 43 Maddox Street, W. 1

Edward Arnold & Co., London