# Proceedings of the Glasgow Mathematical Association

Editorial Committee : T. M. MACROBERT, R. A. RANKIN, R. P. GILLESPIE, T. S. GRAHAM Department of Mathematics, The University, Glasgow Volume 5. Part 1. January 1961

L. W. ANDERSON and L. E. WARD, Jr. A structure theorem for topological lattices.

R. P. AGARWAL. A basic analogue of MacRobert's E-function.

E. J. SCOURFIELD. The divisors of a quadratic polynomial.

E. T. COPSON. On certain dual integral equations.

JOHN LEECH and JENS MENNICKE. Note on a conjecture of Coxeter.

T. M. MACROBERT. Evaluation of an E-function when two of the upper parameters differ by an integer.

R. A. RANKIN. On the divisibility of divisor functions.

W. D. MUNN. A class of irreducible matrix representations of an arbitrary inverse semigroup.

The proceedings are published twice yearly, four parts comprising a volume of about 200 pages. The subscription price per volume is £2 (\$6.00), post free, payable in advance. Single parts may be supplied at a cost of 10s. 6d. (\$1.50), post free.

Inquiries and subscription orders should be sent to the publishers

OLIVER and BOYD, Tweeddale Court, 14 High Street, Edinburgh, 1

### INTERNATIONAL JOURNAL OF ABSTRACTS STATISTICAL THEORY AND METHOD

A Journal of the International Statistical Institute

The aim of this journal of abstracts is to give complete coverage of published papers in the field of statistical theory (including associated aspects of probability and other mathematical methods) and new published contributions to statistical method.

There are approximately two hundred and fifty journals published in various parts of the world which are wholly or partly devoted to the field of statistical theory and method and which are brought within the scope of this journal of abstracts.

In addition to the vast array of journal literature, abstracts of the special collections of papers as published in reports of conferences symposia and seminars, together with the published reports of experiment and other research stations, are also included.

The abstracts are about 400 words long—the recommendation of UNESCO for the "long" abstract service: they are in the English language although the original language of the paper is noted on the abstract together with the name of the abstractor. In addition the address of the author(s) are given in detail to facilitate contact in order to obtain further detail or request an off-print. The journal is published quarterly and contains approximately 1000 abstracts per year.

A scheme of classification has been developed for the abstracts that is flexible and facilitates the transfer of code numbers to punched cards. A unique aspect of this journal is that the pages are colour-tinted according to the main sections of classification. This method of colour-coding the pages provides a distinctive and powerful visual aid in the identification of abstracts in whatever manner the journal is filed for reference.

> Annual Subscription Single Number

£5 (U.S.A. and Canada \$16.00) 30s. (U.S.A. and Canada \$4.50)

## OLIVER AND BOYD LTD.

Tweeddale Court, 14 High Street, Edinburgh, 1

### UNIVERSITY MATHEMATICAL TEXTS

#### **General** Editors

ALEXANDER C. AITKEN, D.SC., F.B.S., DANIEL E. RUTHERFORD, D.SC., DR. MATH.

The series provides compact and inexpensive text-books on standard topics of mathematics, the aim being to carry the reader from an elementary or intermediate grade up to an honours grade in each subject.

Determinants and Matrices	PROF. A. C. AITKEN, D.SC., F.R.S.	7/6
Statistical Mathematics	PROF. A. C. AITKEN, D.SC., F.R.S.	7/6
Theory of Ordinary Differential Equations	J. C. BURKILL, SC.D., F.R.S.	8/6
Waves	PROF. C. A. COULSON, D.SC., F.R.S.	7/6
Electricity	PROF. C. A. COULSON, D.SC., F.R.S.	10/6
Projective Geometry	T. E. FAULKNER, PH.D.	7/6
Integration	R. P. GILLESPIE, PH.D.	7/6
Partial Differentiation	R. P. GILLESPIE, PH.D.	7/6
Infinite Series	PROF. J. M. HYSLOP, D.SC.	7/6
Real Variable	PROF. J. M. HYSLOP, D.SC.	8/6
Integration of Ordinary Differential Equations	E. L. Ince, d.sc.	7/6
Introduction to the Theory of Finite Groups	W. LEDERMANN, PH.D., D.SC.	8/6
Analytical Geometry of Three Dimensions	PROF. W. H. MCCREA, PH.D., B.SC.	7/6
A German-English Mathematical Vocabulary	S. MacIntyre, m.a., ph.d. and E. Witte	8/6
Topology	E. M. PATTERSON, PH.D.	8/6
Functions of a Complex Variable	E. G. PHILLIPS, M.A., M.SC.	7/6
Special Relativity	W. RINDLER, PH.D.	10/6
Volume and Integral	PROF. W. W. ROGOSINSKI, DR.PHIL., F.R.S.	10/6
Vector Methods	D. E. RUTHERFORD, D.SC., DR.MATH.	7/6
Classical Mechanics	D. E. RUTHERFORD, D.SC., DR.MATH.	10/6
Fluid Dynamics	D. E. RUTHERFORD, D.SC., DR.MATH.	10/6
Special Functions of Mathematical Physics and Chemistry	Prof. I. N. Sneddon, M.A., D.SC.	10/6
Tensor Calculus	BARRY SPAIN, B.A., M.SC., PH.D.	8/6
Theory of Equations	PROF. H. W. TURNBULL, F.R.S.	7/6

OLIVER AND BOYD EDINBURGH: TWEEDDALE COURT LONDON: 39A WELBECK STREET, W.1