# PROCEEDINGS <br> OF THE <br> <br> EDINBURGH MATHEMATICAL SOCIETY 

 <br> <br> EDINBURGH MATHEMATICAL SOCIETY}

Volumg i6 (Series 2) DECEMBER 1969 PART 2
S. O. Iyahen: $\boldsymbol{D}\left(\boldsymbol{\tau} ; \boldsymbol{Y}^{\prime}\right)$-spaces and the closed-graph theorem
J. S. Lowndes: Some triple series equations involving Jacobi polynomiale

Brian Kutiner and B. E. Rhoades: Relations between ( $N, p_{n}$ ) and ( $N, p_{n}$ ) summability
Robin J. Waterston: Circular and tranoverse wave eolutions of non-linear hyperbolic aystems of equations
D. A. R. Waxlace: Lower bounds for the radical of the group algebra of a finite p-soluble group
G. J. O. Jammson: Nearly directed subepaces of partially ordered linear spaces
D. A. Burgess: On a problem of Baayen and Kruyswijk

Obituary: A. C. Arteren, D.Sc., F.R.S.
Obituary: R. O. Street
Book Reviews

Series I of the PROCEEDINGS consiste of forty-four volumes published from rest to $\mathbf{x} 906$.
Series II conshats of fifteen complete volumes to dato.
The PROCEEDDINGS are published in parts and iseued twice yearly. Four parts complete a volume of approximately 200 pates and the Titie Pages and Index are publiehed in Part 4 of cach volume.
The prepaid subseription per volume is $x 203$.and in the U.8.A. $\$ 77.00$.
Orders for Series 1 and Series II Volumes 1 to 14 should be addressed to Kraus Reprint Lid., 208-a10 Abbey House, Victoria Street, London, S.W.I.
Orders for Series II Volume 15 onwards should be addressed to OLIVER \& BOYD LTD., TWEEDDALE COURT, I4 HIGH STREET, EDINBURGH, 1 .

## THE QUARTERLY JOURNAL OF MATHEMATICS

OXFORD SECOND SERIES
Edited by J. T. LEWIS, E. C. THOMPSON
with the advice of M. F. ATIYAH, B. J. BIRCH, D. A. EDWARDS, G. HIGMAN, I. M. JAMES, G. TEMPLE.

Volume 20
No. 77
March 1969

## CONTENTS

J. C. Cantrell and R. C. Lacher: Local flattening of a sub-manifold

Wibelm Ktingenberg: The space of closed curves on a projective space
Harmo Sumai: Higher order non-singular immersions in projective spaces
F. Rhodes: The mapping torus of a transformation group
J. R. Dennett: A functorial description of $w_{Q} L^{2} K(n, n)$
D. G. Northcott: Additional properties of generically acyclic projective complexes
J. J. Malone, Jr. and F. E. Featherly: Some near-ring embeddings

Susan Mckay: Surjective opimorphisms in classes of groups
Carlos J. R. Borgea: On a counter-example of A. H. Stone
E. B. Davien: Decomposition of traces on seperable $C^{*}$-algebras
J. H. E. Cohn: Zeros of solutions of ordinary second-order differential equations
L. Carrita: A transformation formula for an $\boldsymbol{A}_{\mathrm{s}} \mathrm{F}_{\mathrm{a}}$
R. P. Agarwal: Certain basic hypergeometric identities associated with mock theta functions

Qaarterly Journal of Mathematics (Oxford Second Series) is published in March, June, September and December at 18s. 6d. net for a single number with an annual subscription (for four numbers) of 65s. post free. Orders may be placed with any bookseller or sent direct to the Publisher.

> OXFORD UNIVERSITY PRESS
> ELY HOUSE, 37 DOVER STREET, LONDON, W. 1 .

## TO BE PUBLISHED IN AUGUST

# STATISTICS AND PROBABILITY 

## by the Schools Statistics Panel

Demy 8vo
15/-
572-00078-0

The aim of the Schools Statistics Panel has been to supply an elementary introduction to Statistics designed to meet the requirements of the new syllabus in Statistics of the S.C.E. 'O' grade examination.

Several thousand copies of the text were distributed to schools throughout Scotland, and the comments and criticisms of the teachers participating in the scheme will be incorporated in Statistics and Probability.

The contents of the book fall broadly into two categories. First, the techniques of elementary Statistics, and secondly, the application of Probability to Statistics. There are two sets of revision exercises in the book, containing questions from the recent S.C.E.E.B. papers. The units used throughout are completely metric, and the book contains three figure tables of Squares, Square roots and the area under the Standard Normal Curve.

For further information and inspection copies please write to:

## FOULSHAM EDUCATIONAL

Desk ST/6, Yeovil Road, Slough, Bucks.

