PROCEEDINGS

OF THE

EDINBURGH MATHEMATICAL SOCIETY

CONTENTS

FRANK HARARY AND RONALD C. READ: The enumeration of		
tree-like polyhexes	page	1
DENNIS P. GELLER: Minimally strong digraphs	page	15
M. H. MARTIN: Local uniqueness in boundary problems	page	23
W. M. ANDERSON: The interaction of a contact discontinuity with sound waves according to the linearised Navier-Stokes		27
equations	page	31
B. NOBLE AND J. R. WHITEMAN: The solution of dual cosine series by the use of orthogonality relations	page	47
D. L. SHERRY: A generalization of summability- (Z, p) of		
Silverman and Szász	page	53
S. A. ROBERTSON: Twisted local-product manifolds	page	59
PREM CHANDRA: Absolute Riesz summability factors for		
Fourier series	page	65
J. J. MALONE AND C. G. LYONS: Endomorphism near-rings	page	71
H. E. SCHEIBLICH: Semimodularity and bisimple ω -semigroups	page	79
D. KERSHAW: A note on orthogonal polynomials	page	83
J. DUNCAN: Primitive idempotent measures on compact semigroups	page	95
S. RUDEANU: Correction to the paper "On functions and		
equations in distributive lattices "	page	105
BOOK REVIEWS	page 1	107

OLIVER AND BOYD A DIVISION OF LONGMAN GROUP LIMITED

THE EDINBURGH MATHEMATICAL SOCIETY

The Edinburgh Mathematical Society was instituted in 1883 for "the promotion and extension of Mathematical Science, Pure and Applied". Nominations for Ordinary Membership are received at any one Ordinary Meeting and

Nominations for Ordinary Membership are received at any one Ordinary Meeting and voted upon at the next. Members receive notices of all meetings and a copy of each issue of the Proceedings on publication; additional copies, and in-print back numbers from vol. 15 onwards, can be bought at a reduced price. Further information about membership can be obtained from the Secretary.

PROCEEDINGS OF THE EDINBURGH MATHEMATICAL SOCIETY

Editors : F. F. BONSALL, W. D. COLLINS,

D. MONK, A. D. SANDS, I. N. SNEDDON.

The Society's Proceedings, containing papers embodying the results of research that is original in matter or manner, are published in parts and issued twice yearly. Four parts complete a volume, the Title Pages and Index being published in Part 4. Series I comprised forty-four volumes published from 1886 to 1926. Series II commenced in 1927. Papers to be considered for publication should be sent to the Secretary. Manuscripts,

Papers to be considered for publication should be sent to the Secretary. Manuscripts, preferably typewritten on quarto size paper, must be top copies with generous margins and double spacing. The style and arrangement should conform to current practice in the Proceedings. References, including titles of papers, should be given in the form adopted by Mathematical Reviews, footnotes being avoided if possible. The figures must be suitable for line block reproduction, lettered in pencil, numbered and separated from the text; their intended location should be clearly indicated. Manuscripts which are not suitable for submission to the printer will not be accepted. Authors are advised to retain a copy of any material submitted, as the Society cannot accept responsibility for any loss.

A proof is supplied once in galley form. Authors are particularly requested to correct and return the proof promptly. Excessive corrections may be charged to authors. Twenty-five free offprints, and additional copies at cost, will be supplied if ordered on a form returned with the proof.

The prepaid subscription per volume is 90s. (U.S.A. and Canada \$15.00) post free. Single parts 22s. 6d. (U.S.A. and Canada \$3.75) net.

Enquiries regarding purchase of back numbers should be addressed to

Kraus Reprint Ltd. 9491, Nendeln Liechtenstein

for volumes of Series I and up to Volume 14 of Series II, and to the publishers,

Oliver and Boyd 33, Montgomery Street Edinburgh EH7 5JX

for subsequent issues.

The Society's address is

The Edinburgh Mathematical Society 20, Chambers Street Edinburgh EH1 1HZ

Communications concerning the Library should be addressed to the Librarian.

All other correspondence should be addressed to the Secretary.